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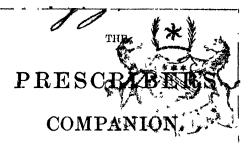
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BY

# ALFRED MEADOWS, M.D. LOND., F.R CP.

PELIOW OF KINGS COLLEGE, IONDON,
TRYSIC AN ACCOUCHEUR TO ST MARY S HOSPITAL, AND
ERCTURES ON MIDWIFERY AT THE SCHOOT,
HONORARY FELLOW OF THE OBSTETRICAL SOCIETY OF BERIJIN
OF THE MOLICITY OF HAVELOUGHS OF ST INTERSEURG,
OF THE MINISHIAI MEDICAL SOCIETY OF VIENA
AND OF THE MEDICAL SOCIETY OF SWEDEN
CORRESPONDING MEMBER OF THE GANACOLOGICAL SOCIETY OF

#### TOURTH EDITION.

WITH THE ADDITION OF NEW REMEDIES UP TO THE PRESENT DATE.

HENRY RENSHAW, 356, STRAND, LONDON 1882.

# PREFACE

TO

# THE FOURTH EDITION,

It is only necessary to say, in reference to this Edition, that all the new Preparations and Pharmacopæial Compounds of approved value and utility, which have been brought into practice since the last Edition, are herein introduced, so as to make the work as complete as possible up to the present date.

George Street, Hanover Square, August, 1882.

### PREFACE

TO

### THE THIRD EDITION.

The present Edition of this Companion has been carefully revised, and some additions made in the shape of therapeutical suggestions which it is hoped will enhance its utility. The recent additions to the "British Pharmacopeia" have also been incorporated; and a new chapter added, giving, in alphabetical order, a list of the principal Spas of Europe, with their leading characteristics and uses. A change has also been made in the mode of indicating preparations which are not officinal—viz., by the addition of a line on each side of the page, instead of as heretofore by the latter being printed in red ink.

I hope this little work will continue to be a useful companion to the busy practitioner.

27, GEORGE STREET, HANOVER SQUARE, June, 1874.

### PREFACE

TO

## THE SECOND EDITION.

In the Preface to the First Edition of this work I stated that I had much pleasure in compiling it, in the hope that it might be useful to the busy practitioner. The publication of a new Pharmacopæia common to Great Britain, in which many new preparations are introduced, many old ones omitted, and the names and composition of others largely altered, renders it imperatively necessary, in the interests of the public, that all who are called upon to prescribe should make themselves acquainted with these several changes. And it was with the view of facilitating this study that I resolved on devoting a little time to what I hoped might not prove unprofitable for those for whose benefit it was undertaken.

I thought, moreover, that the utility of the work would be still further increased if, in addition to the Pharmacopeial preparations, others were introduced which experience had proved to be of value.

The present edition is so entirely remodelled and enlarged, that it may almost be regarded as a new work.

The arrangement now adopted will, I trust, be found more convenient to those who make it their companion in practice. I have not, indeed, done away with what was a principal feature, and I hope a merit, in the last edition-viz., the therapeutical classification of remedies; but I have arranged this in a different order, and have subordinated it to the main part of the work-the alphabetical arrangement of drugs and pharmaceutical preparations, their composition, action, and doses. This, which constitutes Part I., is literally, I hope, as easy for reference as A, B, C. It differs from the arrangement of the "British . Pharmacopœia" in this important respect, that I have grouped together, in proper alphabetical order, under their respective headings, all the preparations of each individual drug; so that the student or practitioner may see at a glance the officinal and other preparations from which selection may be made according to the object desired.

In the "British Pharmacopoeia," on the contrary, Liniments, Mixtures, Powders, Tinotures, &c., are separated from the drugs, and grouped in their alphabetical order, under the initial letters L, M, P, T, &c., respectively; an arrangement which, it appears to me, has this great drawback, that it necessitates reference to different parts of the work for information respecting the several preparations of any given drug.

Further, it will be observed as a novelty in this edition, that all non-officinal preparations, among which are many of great value, and of frequent use in practice, are printed in red ink, as a means of readily distinguishing them from the pharmacoposial compounds.

Part II. comprises a "Classification of Remedies according to action," also grouped in Alphabetical order, with reference to the page in Part I., where the drug in question is described. This, I hope and believe, will be found useful to the practitioner.

Part III. contains some brief Remarks on the Art of Prescribing.

Part IV. gives a short Account of Poisons and their Antidotes.

Part V. details some of the principal Baths and Mineral Waters, with their leading chemical characteristics.

Lastly, the Appendix contains a table of elementary bodies with their chemical symbols and equivalent numbers; also, tables of the weights and measures of the British Pharmacoposia with their symbols, together with the corresponding ones in the French system.

In reference to the alterations in the weights introduced into the Pharmacopæia of 1864, and the abolition of all signs or symbols in prescribing, which was then ordered, but in the present Pharmacopœia is made optional, it will be noticed that I have adhered to the plan of my former edition, and have adopted the changes as to weights; the drachm and scruple are not mentioned, nor are their signs used, but only the grain and the ounce: but as regards measures for fluids. I have retaine de the signs of the drachm and ounce only prefixing the letter f., signifying fluid. The manifest convenience of these symbols in place of the more clumsy fl.drm. or drs., and the fl.ozs., is such, that it is thought they will still be in general use, and hence their retention here.

I must repeat what I stated in the preface to the last edition, that my intention has not been in any way to give directions how to make, but only how to use these preparations, to state their composition, and to give briefly an outline of the process adopted in the manufacture of some of them. In short, my desire has been to make a work which might be useful in daily practice; and in this I hope I have succeeded.

27, George Street,
Hanovee Square,
May. 1867.

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#### THE

# PRESCRIBER'S COMPANION.

# PART 1.

DRUGS AND PHARMACEUTICAL PREPARATIONS, THEIR COMPOSITION, ACTION, AND DOSES,

ABSINTHIUM The dried herb Artemisia absinthium Wormwood.

### Infusum Absortaii

Composed of the dreed herb I oz, water I pint. 4ction. — Aromatic bitter tonic—Anthelm nine per rectum, to the amount of a pint for an adult. Dos. — For an adult, f., to 150.

For a child a year old, for Incompatibles—The sulphates of iron and zine.

### Oleum Absinthii.

Action.—As above.

Dose .- For an adult, my to mv.

ACACIE GUERI. A gummy exudation from the stem of one or more undetermined species of Acacia.

Action.—Demulcent and emollient.

Dose .-- Ad libitum.

Mucilago Acaciæ. (Formerly Mistura Acaciæ.) Composed of gum arabic 4 oz., water 6 fl.oz. Action.—As above. Dose.—For an adult, f3j to f3ss.

For a child a year old, mx to mxx.

Incompatibles.—Mineral acids, acidulous salts, salts of lead, iron, and zinc, and alcoholic preparations.

Au agreeable demulcent drink for irritable coughs may be made by mixing I oz. of mucilage with 20 oz. of water, and adding an ounce of simple syrup.

Dose.—Ad libitum.

Trochisci Acaciæ. Ph. Edin.
Composed of gum arabic 4 oz., starch 1 oz., sugar
1 lb.; make into a mass with rose-water, and
divide into lozenges.
Doss.—Ad libitum.

ACETUM. Vinegar. An acid liquid, prepared from malt and unmalted grain by the acetous fermentation. Sp. gg. 1.017 to 1019.

Action.—Refrigerant. With sage tea, it forms a useful gargle in relaxed sore throat.

Dosc.—153s. to f3ij in sweetened water.

Acetum Cantharidis. Vide CANTHARIS.

Acetum Scille. Vide Sculla.

Acidum Aceticum. (About 14 weaker than the first.) Contains 28 per cent. of anhydrous acid.

Prepared from wood by destructive distillation. Sp. gr. 1044. HO, O<sub>4</sub>H<sub>3</sub>O<sub>4</sub>.

Action.—Diluted with an equal portion of water for subcutaneous injection in cancer.

Acidum Aceticum Aromaticum. Ph. Edin.
Rosemary and origanum dried, of each 1 oz.,
lavender ½ oz., cloves 30 grs., acetic acid 1½
pints.

Action.—Refrigerant. A more agreeable form
than the dilute acetic acid.

Dose.—For an adult, my to mxv.

For a child a year old, mj.

Acidum Aceticum Dilutum.

Composed of acetic acid 1 pint, water 7 pints. Sp. gr. 1.006. Contains 3.63 per cent. of anhydrous acid.

Action.—Refrigerant; used locally as a mild escharotic in some skin eruptions.

Dose. - For an adult, mxxx to f3ii.

For a child a year old, mj to miij.

The preparations of acetic acid are incompatible with alkaline, alkaline earths and their carbonates; mucilage.

Acidum Aceticum Glaciale. Sp. gr. 1-065 to 1-066. C<sub>4</sub>H<sub>4</sub>O<sub>5</sub>. Not used internally. Action.—Caustic. vesicant.

ACIDUM ARSENIOSUM. AsO. Vide ARSENICUM.

ACIDUM BENEOICUM. HO, C14 H 203. Vide BEN-

ACIDUM CARBOLICUM. HO, C, 2H, O. Sp. gr. 1.065.

An acid obtained from coal tar by distillation.

Action.—Disinfectant. Useful in checking flatulence and correcting fetor of breath; also for controlling some forms of diarrhea; as a local application for correcting foetid discharges and inducing healthy granulation; also as a gargle in putrid sore throat.

Dose.—For an adult, 1 to 3 grs. in water or pill.

For a gargle, 1 gr. to the oz.

For a lotion, 1 gr. to 2 oz. For an injection, 1 gr. to 4 oz.

201 an injection, 1 gr, to 2 or

Glycerinum Acidi Carbolici.

Composed of carbolic acid 1 oz., glycerine 4 fl.oz. This is the best form of keeping the acid in a liquid state.  $f_{0j} = 15$  grs.; miv = 1 gr. Action.—As above.

-For an adult, my to mx in water.

Suppositoria Acidi Carbolici cum Sapone.
Carbolic acid 12 grs., curd soap 180 grs., starch q. s.
Make a mass, and divide into 12 parts.
Action.—Pisinfectant. Useful per vaginam in cases of cancer uteri.

Sodæ Sulpho Carbolas.

A compound of soda with sulpho-carbolic acid.

Action.—Disinfectant. Has been recommended in
the treatment of symotic disease, also in various
forms of blood poisoning, and for some forms of
obstinate sickness.

Dose.—For an adult, 10 to 20 grs.

Other sulpho-carbolates, as of lime, magnesia, potash, and ammonia, have been recommended for the same diseases.

#### ACIDUM CITRICUM.

Prepared from the juice of the fruit of Citrus Limetta, or from lemon juice. 3 HO, C<sub>12</sub>H<sub>2</sub>O<sub>11</sub>.

Action. - Refrigerant.

Dose. - For an adult, 10 to 30 grs.

For a child a year old, 2 to 3 grs.

This acid is seldom given alone, though in solution it forms a pleasant cooling drink. It is decomposed by the strong acids, and with alkalis it forms citrates, but requires different quantities for its complete saturation, thus—

20grs, of the acid require 29 grs, of bicarbonate of potash.

,, ,, 24 ,, ,, soda. 17 ,, carbonate of ammonia. 15 . . . magnesia.

Half an ounce of fresh lemon juice is equal to about 17 grs. of citric acid.

ACIDUM GALLICUM. 3 HO, C<sub>14</sub>H<sub>3</sub>O<sub>7</sub> + 2 HO. Vide GALLA.

ACIDUM HYDROCHLORICUM. Sp. gr. 1'16. HCl. Prepared by distilling chloride of sodium with sulphuric acid. Used chiefly as a caustic or lotion, seldom internally, except as

Acidum Hydrochloricum Dilutum.

Composed of 8 oz. of the strong acid to a sufficiency of water to make sp. gr. 1 052. minj = mj of strong acid. Action.—Refrigerant; astringent; tonic.

Dose.—For an adult, mx to mxxx. As a gargle, 3j to 5viij of water or of the infusion of roses, in cases of relaxed or ulcerated throat.

For a child a year old, mj.

Incompatibles.—Alkalis and their carbonates, tartrates and citrates; tartar emetic, the salts of silver and had, and most earths and oxides; mucilage.

### ACIDUM HYDROCYANICUM BILUTUM.

Prepared by acting on ferrocyanide of potassium with sulphuric acid. Sp. gr. 6.997. HC<sub>2</sub>N. It contains 2 per cent. by weight of acid. A powerful poison. Action.—Seative; antispasmodic; allays vomiting. Useful in dyspepsia, and gastrodynia. To allay the tuching of pruritus a lotion of 3ij to 3viij of water may be used.

Dose. - For an adult, mij to mv.

For a child a year old, m<sub>3</sub>.

Incompatibles.—Metallic oxides, the mineral acids, the salts of iron, and nitrate of silver.

Vapor Acidi Hydrocyanici.

Take of dilute hydrocyanic acid 10 or 15 minims, water I fl.dr. Mix in a suitable apparatus, and let the vapour that arises be inhaled.

Action.—As above.

### ACIDUM LACTICUM. C.H.O.HO.

Prepared by the fermentation of cane sugar with cheese.

Action.—Is supposed to favour the digestive process.

Dose.—For an adult, mx to mxv.

### ACIDUM MITRICUM.

Prepared by distilling sulphuric acid and nitrate of potash. Sp. gr. 1'42. HO, NO<sub>2</sub>.

Action.—Used chiefly as a caustic, or largely diluted as a lotion.

Acidum Nitricum Dilutum.

Composed of nitric acid 6 fl. oz., water a sufficiency to make it sp. gr. 1 101. my = mj of strong acid.

Action. — Astringent; tonic; refrigerant. Infusion of roses made with this acid, instead of sulphuric

acid, and sweetened, is the most elegant form for administering quinine with an astringent (Squire).

Dose.—For an adult, mx to mxxx.

For a child a year old, mj.

Incompatibles.—Alkalis, their carbonates and acetates, the earths and their oxides, sulphurets, the sulphate of iron: mucilage.

Acidum Nitro-hydrochloricum Dilutum.

Composed of nitric acid 3 fl.oz., hydrochloric acid 4 fl.oz., water 25 fl.oz. Sp. gr. 1'074. mv = mj of strong nitro-hydrochloric acid A etion.—Tonic, refrigerant, alterative, and astringent. Dose.—For an adult. mx to mx freely diluted.

For a child a year old, mj.

Incompatibles.—Alkalis, alkaline carths, muclage.
The nitro-muriatic acid bath is composed of faviij of this, or about faij of the strong acid, to a gallon of water.
Temp. 98°. Apply a flannel roller soaked with this round the liver, and cover with oiled silk; keep constantly applied.

ACIDUM PHOSPHORICUM DILUTUM. 3 HO, PO. Prepared by the action of nitric acid on phosphorus. Sp. gr. 1.08.

Action.—Tonic; refrigerant. Useful in allaying thirst in diabetes.

Dosc. —For an adult, mx to mxxx, freely diluted.

Incompatibles. —Lime water, calcareous salts, alkaline carbonates.

### ACIDUM SULPHURICUM.

Prepared by the combustion of sulphur and the cardation of the resulting sulphurous soid by means of mitrous vapour. HOSO<sub>3</sub>. Sp. gr. 1.843.

Action.—A powerful caustic. Not used internally.

Acidum Sulphuricum Aromaticum. Sp. gr. 0.927

Prepared by digesting cinnamon 2 oz., ginger 12 oz., with sulphuric scid 3 fl.oz., rectified spirit 2 pints. Action .- Tonic ; slightly astringent.

Dose. - For an adult, mx to mxxx.

For a child a year old, mj.

Incompatibles .- Alkalis and their carbonates, some earths and earthy carbonates, the oxides of metals, solutions of the chloride of calcium, acetate of lead, barvta, &c.

Acidum Sulphuricum Dilutum.

Composed of Sulphuric acid 7 fl.oz., water a sufficiency to make it sp. gr. 1.094. mxij = mj strong acid. Action. - Tonic : refrigerant : astringent.

Dose. - For an adult, mx to mxx.

For a child a year old, mi.

Incompatibles. - As above.

Acidum Sulphurosum. SO, Sp. gr. 1.04. Prepared by distilling together sulphuric acid and charcoal, the gas being dissolved in distilled water. Used diluged 1 part to 6 as a stimulant lotion; also as a deoxidizing, disinfecting, and antiseptic agent. Dose. - For an adult, f3ss. to f3j, largely diluted. Use-

ful in some forms of obstinate sickness; and diluted with an equal quantity of glycerine, for parasitic affections of the skin, &c.

### ACIDUM TANNICUM .- Vide GALLA.

### ACIDUM TARTARICUM.

Prepared from acid tartrate of potash by the action of chalk, chloride of calcium, and subsequent separation by means of sulphuric acid. 2 HO,C, H,O10. Action-Refrigorant.

Dosc.—For an adult, 10 to 40 grs.

For a child a year old, 2 to 3 grs.

Incompatibles.—Alkalis and their carbonates, mineral acids, saits of lead, mercury and vegetable astringents.

ACONITI FOLIA. The fresh leaves and flowering tops of Aconitum napellus. Monkshood.

### Extractum Aconiti.

The expressed juice evaporated to a proper consistence.

Action.—Anodyne and sedative.

Useful in various neuralgic affections, especially as a local application.

Dose.—For an adult, 1 to 2 grs.

This preparation is of very uncertain strength.

# ACONITI RADIX. (The dried root.)

### Tinctura Aconiti.

Macerate 2½ oz. of root in 1 pint of rectified spirit. This preparation is just one-third the strength of that in the Ph. Lond, and one-fourth that of she Ph. Dub. Action.—Sedative and anodyne. Lowers the frequency of the pulse, and produces perspiration. Is very useful in some forms of neuralgia.

Dose.—For an adult, my to mx or mxv.

### Linimentum Aconiti.

Aconite root 20 oz., camphor 1 oz., rectified spirit q. s. to make a pint. 1 fl.oz. = 1 oz. of the dried root.

Action.—Useful as a sedative or anodyne application in painful affections; is best diluted with soap or camphor liniment in equal parts.

Aconitia. The alkaloid of the root.

This is such an exceedingly powerful poison that its internal administration is always dangerous been furth of a grain has been known to produce evil results. It is intended only for external use, and then great caution must be exercised.

Unguentum Aconitiæ.

Aconitia 8 grs., rectified spirit mxxx, lard 1 oz.

Action.—Anodyne; sedative. Applied in neuralgia.

Is very costly and no better than the limiment.

ACTEA BACEMOSA. The root of Cimicifuga racemosa. Black Smakeroot.

Decoctum Actem Racemosm.
Composed of 1 oz. of the rost to a pint of water.
Action.—Sedative; anodyne; alterative. In chronic rheumatism, lumbago, and neuralgra.
Dosc.—For an adult, f5j to f5ij.

Tinctura Actææ Racemosæ.

The root of actæa 4 oz., rectified spirit a pint.

Action.—Sedative; it is also said to possess powerful anodyne properties in lumbago and acute rheumatism, and to be useful in chorea.

Dose.—For an adult, f3ss. to f3j.

For a child a year old, miij.

ADEPS PREPARATUS. Hog's fat deprived of its membranes, and purified by heat.

Used in the preparation of Unguentum simplex.

Adeps Benzoatus.

Prepared by heating fresh lard one pound with resin of boltzoin 160 grs.

The object of the resin is to preserve the lard from becoming rancid, and so to make it better adapted for the preparation of ointments.

**ERUGO.** Verdigris, subacetate of copper.

Linimentum Æruginis. Ph. Lond. Verdigris 1 oz., vinegar 7 fl.oz., honey 14 oz. Action.—Useful as a stimulant embrocation.

Unguentum Æruginis. Ph. Edin. Resinous contment 15 oz., verdigris 1 oz. Action.—As a stimulant to sluggish granulations.

ETHER, an oxide of Ethyl, C. H. O. Sp. gr. 0.785. (Æther Sulphurious. Ed. Dub.)

Action.—Antispasmodic; diffusible stimulant.

Dosc.—For an adult, mx to mxxx or f3j.

Æther Aceticus. C<sub>4</sub>H<sub>5</sub>O,C<sub>4</sub>H<sub>5</sub>O<sub>5</sub>. Sp. gr. 0.910.

Action.—Stimulant; antispaemodic.

Dosc.—For an adult, mxx to f3j.

Æther Purus. C.H.O. Sp. gr. 0.720.

Spiritus Ætheris. Sp. gr. 0.807. (Formerly Spiritus Ætheris Compositus.) Hoffman's Anodyne. A mixture of ether 10 fl.oz., rectified spirit 1 pint. Action.—Stimulant; antispasmodic.

Doss.—For an adult, mxx to 13j.

For a child a year old, mij to miv.

Spiritus Ætheris Nitrosi. (Formerly Spiritus Ætheris Nitrici. Ph. Lond., Edin.)

Authoris Mitrici. Ph. Lond., Edin.)

Prepared by distilling sulphuric acid, nitric acid, and

rectified spirit. C4H,O,NOs. Sp. gr. 0.845.

Action.—Diuretic, diaphoretic, atmulant, and slightly antispasmodic. In catarrh, influenza, cardiac dropsy,

&c.

Dose.—For an adult, mxx to f3ii.

For a child a year old, miij to mv.

Incompatibles.—Protosalts of iron and the preparations of guaiacum, alkaline, and earthy carbonates, iodide of potassium.

ALBUMEN OVI. The liquid white of the egg of Gallus Banckiva yar. domesticus.

ALCOHOL AMYLICUM. Fousel oil. C<sub>10</sub>H<sub>13</sub>O<sub>2</sub>. Sp. gr. 818.

Described as "an oily liquid, contained in the crude spirit produced by the fermentation of saccharine solutions with yeast." It is illegal to use it in the preparation of tinctures.

ALLIUM SATIVA. The bulb of the common Garlic. Action and Uses.—Stimulant, antispasmodic, expectorant, and diuretic. Useful in hooping-cough, asthma, and other pulmonary affections. In India it is used in intermittent fevers; also as a vermifuge.

Dose. - For an adult, one or more bulbs.

ALOE BARRADENSIS. The juice of the leaf of Aloe vulgaria.

Action and Uses.—In the doses given below for the preparations of aloes the action is powerfully purgative

and cathartic; in smaller doses they act as stomachies and tonics. The larger doses also act as emmenagogues. 2 grs. Barbadoes = 3 Socotrine.

Dose.—For an adult. 2 to 4 grs.

ALOR SOCOTRINE. The juice of the leaf of one or more undetermined species of aloe.

Dose. — For an adult, 2 to 6 grs.

Aloin. The Alkaloid of Aloes.

Action.—A powerful purgative. It is contra-indicated in pregnancy and in hamorrhoidal conditions.

Dose.—For an adult, § gr. to 1 gr.

Decoctum Aloes Compositum.

Composed of extract of socotine aloes 120 grs., myrrh and saffron 90 grs., carbonate of potash 60 grs., extract of liquorios 1 oz., compound tincture of cardamons 8 fl.oz., distilled water to 30 fl.oz.

Action.—Purgative, emmenagogue, tonic.

Dosc.—For an adult, f3ss. to f3j or f3j.

For a child a year old, f3ss.

Enema Aloes.

Aloes 40 grs., carbonate potash 15 grs., starch 10 fl.oz.

Action.—Cathartic.

Extractum Aloes Barbadensis.
An aqueous extract.
Action.—As above.
Doec.—For an adult, 1 to 3 grs.

Extractum Aloes Socotrinæ.

Prepared like the preceding.

Action.—Cathartic.

Dose.—For an adult, 2 to 4 grs.

Pilula Aloes Barbadensis. (Pilula Aloes cum Sapone. Ph. Lond.)
Composed of Barbadoes aloes 2 oz., hard soap 1 oz., oll of caraway 1 fl.dr., confection of roses 1 oz., action.—As above, but is somewhat less griping.

Dose.—For an adult, 3 to 10 grs.

Pilula Aloes et Assafœtidæ.

Seposed of socotrine aloes 1 oz., assafœtida 1 oz., ard soap 1 oz., confection of roses 1 oz.

Action.—Purgative and antispasmodic. Useful in hysteria.

Dose.—For an adult 5 to 10 grs.

Pilula Aloes et Myrrhæ.

Composed of socotrine aloes 2 oz., myrrh 1 oz., saffron 4 oz., confection of roses 24 oz.

Action.—As above.

Dose.—For an adult, 5 to 10 grs.

Pilula Aloes Socotrine.
Composed of socotrine aloes 2 oz., hard soap 1 oz., volatile oil of nutmeg 1 fl.dr., confection of roses 1 oz. Action.—As above.
Dosc.—For an adult, 5 to 10 grs.

Pilula Aloes Composita. Ph. Lond.
Composed of aloes 1 oz., extract of gentian, i oz., oil of caraway 40 drops, syrup q. s.
Action.—As above.
Dosc.—For an adult, 5 to 10 grs.

Pilula Aloes et Ferri.

Sulphate of iron 1½ oz., Barbadoes aloes 2 oz., compound cinnamon powder 3 oz., confection of roses 4 oz.

Action. — Purgative; chalybeate; emmenagogue.

Dose. — For an adult, 5 to 10 grs.

Pulvis Aloes Composita. Ph. Lond.
Composed of aloes 14 oz., guaiacum resin 1 oz., compound powder of cinnamon 4 oz.
Action.—Alterative; purgative.
Dosc.—For an adult 10 to 20 grs.

Tinctura Aloes.

Composed of socotrine aloes 1 oz., extract of liquorice 11 oz., proof spirit a sufficiency to make a pint.

Action.—Purgative.

Doss.—Por an adult, f3j to f3ij.

Tinctura Aloes Composita. Ph. Edia.

Aloes 4 oz., saffron 2 oz., tincture of myrrh, 2 pints.

Action.—As above.

Dose.—For an adult, f3ss. to f3j.

Vinum Aloes.
Composed of socotrine aloes 14 oz., cardamoms 80 grs., ginger 80 grains, sherry 2 pints.
detion.—As above; stomachic; tonic
Desc.—For an adult, f3j to f3j;
For a child a year old, my to mx.

ALTHEA. The leaves and root of Althea officinalis, Marshmallow.

Mistura Althææ. Ph. Edin.

Althear out 4 oz., raisins 2 oz., water 5 pints, boiled to 3.

Action .- Demulcent ; emollient.

Dose .- Ad libitum.

Syrupus Althææ. Ph. Lond.

Composed of althæa root 14 oz., sugar 3 lbs, water
1 pint, rectified spirit 24 fl oz.

Action.—Demulcent: ptisan.

Dose.—For children, f3j to f3jj.

**ALUMEN.** NH<sub>4</sub>O,SO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub> 3 SO<sub>2</sub>, 24 HO. Sulphate of alumina and potash. Action.—Astringent; very valuable to check mucous and sangetneous discharges.

Dosc.—For an adult 5 to 15 grs.

For a child a year old, ½ gr. to 1 gr. Incompatibles.—Alkalis and their carbonates, alkaline earths, vegetable astringents, phosphates, preparations of mercury, lead, and baryta, and all vegetable infusions containing tannic acid.

## Alumen Exsiccatum.

Prepared by heating alumen to liquefaction till vapour ceases to be given off.

Action.—Styptic; escharotic. For external use only.

Cataplasma Aluminis.

Composed of the white of 2 eggs, and alum 60 grs. Action.—Astringent; styptic.

Alumen Ferreum.

Prepared by dissolving peroxide of iron in sulphuric acid, and adding sulphate of potash. The peroxide of iron takes the place of alumina in common alum. Action.—Powerfully astringent as well as chalybeate; useful as a topical application, and to check hismaturia.

Dose.—For an adult, 5 to 10 grs.

For a child a year old, 4 gr.

Alumen Sulpho Tannicum.

A compound of alum with tannic acid.

Action.—A powerful and effective astringent.

Dos.—For an adult, 5 to 10 grs.

For a child a year old, \( \frac{1}{2} \) gr.

Liquor Aluminis Compositus. Ph. Ifand. Sulphate of zinc and alum, of each 1 oz, water 8 pints.
Used chiefly as a lotion; it contains 1 grain of each of the salts in 1 fl dr.

Action.—Astringent. For external use only.

Inlyis Aluminis Compositus. Ph. Edin. composed of alum 4 oz., kino 1 oz. action.—As above.

Dose.—For an adult, 5 to 15 gra.

For a child a year old, 4 gr.

# ARMONIA. NH,O.

Linimentum Ammoniæ. Solution of ammonia 1 fl.oz., olive oil 3 fl.oz. Action.—A local stimulant and rubefacient.

Liquor Ammoniæ. Sp. gr. '959.

1 pint of strong solution of ammonia, 2 pints of water.

Action.—Stimulant; antacid.

Dose.—For an adult, my to mxx.

For a child a year old, mj to mij.

Incompatibles.—All acids; the earths, except lime and magnesis.

Liquor Ammoniæ Fortior.

Prepared by distilling chloride of ammonium, slaked lime, and water; it contains 32½ per cent. of pure ammonia; sp. gr. 391.

Action.—Powerfully stimulant; rarely used internally; Pubefacient externally.

Dosc.—For an adult, mij to mv.

Liquor Ammoniæ Acetatis.

A neutral solution of acetate of ammonia, prepared by mixing 10 fl.oz. of acetic acid, 3½ oz. of carbonate of ammonia, water 2½ pints. NH<sub>2</sub>O,C<sub>4</sub>H<sub>2</sub>O<sub>6</sub>.

Action.—Refrigerant and diaphoretic.

Dose.—For an adult, f3ij to f3vj.

For a child a year old, mx to mxx.

Incompatibles.—Alkalis and their carbonates, soids, alkaline earths, corrosive sublimate, and the sulphates

of iron, copper, and zinc, nitrate of silver, and acetate of lead. This preparation is about the strength of the Liquor Ammonia Acetatis of the Ph. Lond. and Edin. . stronger than that of the Ph. Dub., and about \frac{1}{3} of

Ammoniæ Benzoas. Vide PREPABATIONS OF REN-ZOINUM.

Ammonii Bromidum, NH, Br.

the strength of that in the B.P. 1864.

Action. - Nervine sedative, and antispasmodic: useful n whooping cough and other convulsive affections. Dose. - For an adult, 5 to 10 or 20 grs.

For a child a year old, 1 to-2 or 8 grs. Incompatibles. - Acids: acidulous salts. This preparation is also made in the granulated effervescing form, containing 2 grs, of the salt in 60 grs. The dose for an adult is from 60 to 120 grs.

Ammoniæ Carbonas. 2NH<sub>2</sub>O, 3CO<sub>2</sub>. (Formerly Ammonize Sesquicarbonas. Ph. Lond., Dub.) Action .- Stimulant, expectorant, emetic, and diaphoretic: antacid. Dose .- For an adult, as a stimulant, 2 to 5 grs. :

emetic, 15 to 30 grs.

For a child a year old, i gr. to i gr. Incompatibles .- Mineral acids, alkalis, alum, sulphate of magnesia and zinc, salts of iron, mercury, and ead.

Spiritus Ammoniæ Aromaticus. l'omposed of carbonate of ammonia 8 oz., strong solution of ammonia 4 or, volatile oil of nutmeg i fl.oz., ofl of lemon 6 fl.drs., rectified spirit 6 pints, water 8 pints, distilled to 7 pints. Sp. gr. 0.870.

Action.—Stimulant; useful in nervous headaches.

Dose.—For an adult, mux to f3j.

For a child a year old inii

For a child a year old, mij.

Tinetura Ammoniæ Composita. Ph. Lond.

Mastic 120 grs., rectified spirit 9 fl drs., oil of lavender 14 m, strong solution of ammonia, 1 pint.

Action.—Stimulant; antispasmodic.

Dose.—For an adult, my to mx or mxv.

For a child a year old, mss. to mi.

Spiritus Ammoniæ Fætidus.
Assafætida 1½ oz , strong solution of ammonia 2 fl.ez., rectified spirit a sufficiency to make a pint.
Action.—Stimulant; principally used as an anti-hysterical remedy, or for flatulence.
Dosc.—For an adult, 175s. to 175.

Ammonii Chloridum. NH<sub>4</sub>Cl. (Ammoniæ Murias. Ph. Edin. and Dub. Ammoniæ Hydrochlot.s. B.P. 1864).

Prepared by neutralizing hydrochloric acid with ammonia, and evaporating to dryness.

Action.—Alterative; cholagogue; anodyne in some forms of neuralgia; emmenagogue.

Doss.—For an adult, 5 to 20 grs.

For a child a year old, 1 gr.

Incompatibles.—Acids and caustic alkalies, salts of lead and silver.

Liquor Ammoniæ Citratis. 3 NH<sub>4</sub>OC<sub>10</sub>H<sub>4</sub>O<sub>11</sub>. A saturated solution of citrate of ammonia prepared by mixing solutions of citric acid 8 oz., and

strong solution of ammonia 27 oz., water 1 pint, Action. - Refrigerant : expectorant. Dose. - For an adult, f3ij to f3vi.

Incompatibles.—The same as the Liq. Ammon. Acet.

Ammoniæ Formias. NH,O,C,HO.

Action. - Has been recommended as a stimulant in chronic affections of the nervous system, epilepsy,

Dose.—For an adult, 5 to 10 grs. in solution.

Ammonii Todidum. NH.I.

Action. - Alterative: resolvent: similar to iodide of potassium. Useful in syphilitic and scrotulous affections.

Dose .- For an adult, 2 to 8 grs.

Incompatibles - Acids; acidulous salts.

Ammoniæ Nitras. NH.,NO.,HO.

Prepared by neutralizing diluted nitric acid with solution of ammonia.

Not used medicinally.

Ammoniæ Nitras Effervescens. Action .- Diuretic ; stimulant. Dose.—For an adult, 30 to 40 grs. 60 grs. contain 5 grs. of the nitrate.

Ammonise Phosphas.

Prepared by acting on strong solution of ammonia with dilute phosphoric acid. 2 NH,O.HO.PO.. Action. - Diuretic: stimulant: diaphoretic. Has been recommended in cases of lithiasis, to render the urates of sods and lime soluble.

Dose. - For an adult, 5 to 20 grs. For a child a year old, 1 gr. Ammonias Sulphas. NH<sub>4</sub>O, SO<sub>5</sub>.

Action. —Stimulant; resolvent; diuretic.

Dose. —For an adult, 10 to 30 grs.

Ammoniæ Valerianas.

Action.—Antispasmodic; stimulant to the nervous system. Very useful in cases of hysteria.

Dose.—For an adult, 2 to 8 grs.

As this salt is exceedingly deliquescent, it is best

kept as a solution containing 25 per cent. of the salt, the dose being 15 to 30 drops.

AMMONIACUM. The gum resin from the stem of

Dorema ammoniacum.

Action.—Antispaşmodic; expectorant; stimulant to mucous membranes.

Dose.—For an adult, 5 to 20 grs., in pill or emulsion.

Emplastrum Ammoniaci. Ph. Lond. Ammoniacum 5 oz., dilute acetic acid 8 fl.oz.

Action .- Stimulant ; rubefacient.

Emplas rum Ammoniaci cum Hydrargyro. Ammoniac 12 oz., mercury 3 oz., olive oil f3j, sulpbur 8 grs. 4 ction.—Stimulant: resolvent.

Mistura Ammoniaci.
A solution of ammoniac \( \frac{1}{2} \) oz. in water 8 fl.os.

Action.— Antispasmodic; stimulating expectorant.

Useful in chronic bronchitis.

Does.—For an adult, f3ss. to f3j.

AMYGDALA AMARA. The seed of the tree Amygdalus communis, var. amara. Bitter almostd. Used for preparing the Oleum Amygdalse. ANYGDALA DULUIS. The seeds of Amygdalus communis, var. dulcis. Sweet almond.

Mistura Amvgdalæ.

Compound powder of amonds 21 oz., water 1 pint. Action.—Diluent; demulcent. Useful as a basis for cough mixtures. Almond cakes have been recommended by Dr. Pavey instead of bread in diabetic subjects.

Dose. - For an adult, fxi to fxii. For a child a year old, f3i.

The oil expressed from bitter Oleum Amygdalæ. or sweet almonds.

Action.—The same as the mixture.

Dose.—For an adult, f3j to f3ss. in\_emulsion.

Pulvis Amygdalæ Compositus. (Formerly Confectio Amygdalæ. Ph. Lond.) Sweet almonds 8 oz., sugar 4 oz., gum acacia 1 oz. Used only for the Mistura Amygdalæ. Dose. -- 60 to 120 grs.

AMYL NITRIS. C, H, O, NO.

Produced by the action of nitric acid on amylie alcohol.

Action. - Antispasmodic. Useful in some bronchial affections.

Dose.—By inhalation, the vapour of mij to mv. To be used with caution.

AMYLENE.

Prepared by the distillation of amylic alcohol with chloride of zinc. C<sub>10</sub>H<sub>10</sub>.

Action.—Anæsthetic. Recommended and used by

the late Dr. Snow. Seldom employed now.

AMYLUM. Starch produced from the seed of Tritioum vulgare. Common Wheat.

Glycerinum Amyli. Plasma. Composed of starch 1 oz., glycerine, 8 fl.oz. Action.—Bmollient.

Mucilago Amyli. (Formerly Decoctum Amyli.)
Composed of starch 120 grs., water 10 fl.oz.
Action.—Emollient; absorbent.
Dosc.—Ad libitum. As the vehicle for active drugs in enemata, and for making the starch bandages.
Incompatibles.—All preparations of iodine.

Amyli Iodidum.

Prepared by rubbing iodine (24 grs. moistened with a few drops of spirit) with starch (1 oz.) until the powder becomes uniformly blue.

Action and Uses.—Similar to iodine, less irritating to the stomach.

Dose.—A teaspoonful, in some thick vehicle, gradually increased.

ANDIRA INERMIS. The bark.

Action.—Purgative; very much resembles jalap.

Dosc.—Of the powdered bark for an adult, 20 to 30 grs.

ANETHI FRUCTUS. The fruit of Anethum graveolens.

Common Dill.

Action.—Carminative; stimulant; aromatic.

Dose.—Of the powder for an adult, 10 to 80 grs.

Aqua Anethi.

11b. of bruised dill fruit distilled with two gallons of water.

Action.—As above. Useful in flatulence.

Dose.—For an adult, 5j to 5ij.

For a child a year old, Si to Sij.

Oleum Anethi.

Action .- As above.

Dose.—For an adult, mv. on sugar or in emulsion.

ANGELICA. The root or seeds of Archangelica officinalis.

Action — This was formerly much esteemed as an effective aromatic stimulant and stomachic.

Dose.—Of the powder for an adult, 30 to 60 grs.; or in infusion.

ANILINE. Obtained from coal tar, indigo, &c. C<sub>12</sub>H<sub>1</sub>N.
Used in the form of sulphate, in doses of 1 gr.
Action.—Useful in chronic spasmodic nervous affections.

ANISUM. The fruit of Pimpinella anisum. Aniseed. Action.—Carminative; stimulant.

Dose.—Of the powder for an adult, 10 to 30 grs.

Aqua Anisi. Ph. Lond.

A mixture of the oil of aniseed in water.

Action.—As above. Useful in flatulence.

Dose.—For an adult, 3j to 3iv.

For a child a year old, 3j to 3ij.

Essentia Anisi.

Oil of Anise 1 fl.oz., rectified spirit 4 fl.oz. Action.—Stimulant; carminative; aromatic.

Dose. For an adult, mx to mxx.

For a child a year old, mj.

Oleum Anisi.

Action. - As above.

Dose. - For an adult, my, on sugar or in an emulsion.

ANTHEMIDIS FLORES. The flower-heads of Anthemis nobilis. Chamomile.

Action.—An aromatic and slightly stimulant bitter stomachic tonic.

Dose.—For an adult, 10 to 30 grs.

Incompatibles. - The salts and preparations of iron.

Extractum Anthemidis.

A watery extract.
Action.—As above.

Dose.—For an adult 2 to 10 grs.

Infusum Anthemidis.

Composed of chamomile flowers \( \frac{1}{2} \) oz., water 10 fl.oz. Action.—As above.

Dose. - For an adult, f3j to f3ij.

For a child a year old, f3i.

Incompatibles .- As above.

Oleum Anthemidis.

Action.—As above. Used in preparing the extract. Dose.—For an adult, mij to my, on sugar or in emulsion.

ANTIMONIUM. Sb. Eq. 129.

Antimonii Oxidum. SbO. (Antimonii Ter-

oxydum. Ph. Edin.)

Prepared by the action of carbonate of soda on terchloride of autimony.

Action.—Disphoretic, expectorant, emetic, according to the dose. It is best given in the form of pill or powder.

Dosc.—For an adult, 1 to 2 grs., or 5 grs. is an emetic.

Pulvis Antimonialis. (James's powder, Pulvis Antimonialis Composits. Ph. Lond.)
Oxide of antimony 1 part, phosphate of lime 2 parts.
Action.—As above.
Dose.—For an adult, 2 to 6 grs.

Liquor Antimonii Chloridi. Sp. gr. 1.47. Action.—Caustic; irritant; causes little pain or inflammation; is never used internally.

Antimonium Nigrum. SbS<sup>2</sup>. (Oxysulphuret of Antimony. Ph. Lond.)

Prepared by the purification of sulphide of antimony by fusion. Not used medicinally.

Antimonium Sulphuratum. •
Composed of the sulphide of antimony, SbS<sub>2</sub>, with a small and variable amount of oxide of antimony, SbO<sub>2</sub>.

Action. —Alterative; emetic; diaphoretic.

Dose. —For an adult, 1 to 5 grs.; as an emetic 10 grs.

Antimonium Tartaratum. (Antimonii Potassio Tartras. Ph. Lond.)
Prepared by the action of acid tartrate of potash on oxide of antimony. KO, SbO<sub>2</sub>, C<sub>2</sub>H<sub>4</sub>O<sub>10</sub>, +2 HO.

Action and Uses.—As an alterative, r<sub>0</sub> gr. or r<sub>1</sub> gr.; as a diaphoretic and expectorant, kgr. to kgr.; as a sudorific, kgr.; as an emetic, lgr. to 2 grs.

Incompatibles.—Acids, alkalis, their carbonates, limewater, the salts of lead, and most bitter and astringent infusions.

Unguentum Antimonii Tartarati.
Tartarated antimony 1 oz., simple ointment 1 oz.
This preparation contains nearly twice as much tartarated antimony as Ung. Antim. Tart. Dub. Ph.
Action.—Stimulant; Irritant; vesicant.

Vinum Antimoniale, (Vinum Antimonii Potassio Tartratis.)

A solution of tartarated antimony 40 grs., in sherry 1 pint (= 1 gr. in \( \frac{1}{3} \) fl.oz., or \( \frac{1}{3} \) gr. in f3j).

Dose.—For an adult, wax to maxx, foil, or more, according to the action required.

For a child a year old, my to mij, or mx as an

APIOL. The active principle of the seeds of Petroselinum sativum. Common parsley. The preparation exists as a yellow oily fluid.

Action.—A galactagogue; also tonic, antiperiodic, and emmenagogue.

Dose.—For an adult, my to mxv in syrup.

Capsules of the above are also made, and recommended for their emmenagogue properties.

Dose.—One night and morning.

AQUA. Natural water, the purest that can be obtained. To be filtered if necessary. HO. Eq. 9.

Aqua Cffloroformi. Chloroform f3j, distilled water f3xxv. Action.—Stimulant; antispasmodic. Dosc.—For an adult, f3ss. to f3jj.

Aqua Destillata.

ARECA. The seed of Areca catechu.

Action.—Gently astringent. Not much used.

Dose.—For an adult, i to i oz. in powder.

ARGENTUM. Pure metallic silver. Ag. Eq. 108.

Argenti Nitras.

Prepared by the action of nitric acid on silver.

AgÓ.NO.

Ago, No. —Astringent; tonic; antispasmodic. Useful in epilepsy. Best given in form of pill with bread. Apt to discolour the skin. Used also as a caustic.

Dose. —For an adult, † gr. to † gr. in pill.

Incompatibles. —Acids, acidulous salts, alkalis and their carbonates, vegetable astringents.

Liquor Argenti Nitratis. Ph. Lond. Nitrate of silver 60 grs., distilled water 1 fl.oz. Action.—Used as a stimulant lotion to wounds.

Argenti Oxidum.

Prepared by the action of a solution of lime on one of nitrate of silver. Ago.

Action.—Tonic, astringent, and antispasmodic. Said not to discolour the skin as the nitrate. Best given in pill with bread.

Dose. - For an adult, & gr. to 1 or 2 grs.

ARMORACLE RADIX. The fresh root of Cochlearia armoracia. Horse-radish plant.'

Action.—Stimulant, sudorific, and diuretic. Useful in atonic dyspepsia and for flatulence.

Dosc.—Of the powder, for an adult, 30 to 60 grs.

Infusum Armoraciæ Compositum. Ph. Lond. Horse-radish and mustard-seeds of each 1 oz., compound spirit of horse-radish 1 fl.oz., boiling water 1 pint.

Action.—Stimulaut, &c., as above.

Doss.—For an adult, f5j to f5jj.

For a child a year old, f3j.

Spiritus Armoraciæ Compositus. Composed of horse-radish 20 oz., bitter orange-peel 20 oz., nutmeg ½ oz., proof spirit 1 gallon, water 2 nints.

Action.—Stimulant; stomachic; tonic.

Dose.—For an adult, f3ss. to f3ij.

For a child a year old, mij.

ARNICE RADIX. The dried rhizome and rootlets of Arnica montans. Mountain Arnica.

Action.—Stimulant, narootic, and diaphoretic. Externally it is used to bruises.

Dosc.—Of the powder for an adult, 5 to 10 grs.

Infusum Arnicæ, Composed of i oz. of the root to 1 pint of water. Dose.—For an adult, 1 to 2 fl.oz.

Tinctura Arnicæ.

Composed of arnica root 1 oz., rectified spirit 1 pint.

Acton.—Stimulant, &c., as above.

Dose.—For an adult, f3-s. to f3ij.

F. a child a year old, miij.

## ARSENICUM, As. Eq. 75.

Acidum Arseniosum. White arsenic. AsO<sub>2</sub>. Prepared by subliming commercial arsenious acid. Action.—Alterative; tonic. Useful in chronic skin diseases, ague, and as a nervine tonic. Post.—For an adult,  $\frac{1}{10}$  to  $\frac{1}{12}$  gr. in solution after meals. None of the preparations of arsenic are fitted for young children. Incompatibles.—Earths, bitter infusions, and the salts of izes.

Liquor Arsenicalis. (Liquor Potassee Arsenitis.

Ph. Lond. Fowler's Solution.)

Arsenious acid 80 grs., carbonate of potash 80 grs., compound tincture of lavender 5 fl.drs., water to a pint. A fluid drachm contains \( \frac{1}{2} \) gr. of arsenious acid.

Action. - Tonic, alterative. Useful as above.

Dose.—For an adult, mij to mv or mx after food.

Not suitable for very young children.

Incompatibles.—Acids, acidulous salts, sulphates of magnesia, iron, and copper, chlorides of calcium, iron, and barium, nitrate of silver, alum, and decoction of bark.

Ferri Arsenias. 8 FeO, AsO,.

Prepared by mixing a solution of arseniate and acetate of soda with one of sulphate of iron.

Action.—Alterative, nervine tonic. Useful in nervous debility and some chronic skin diseases attended with ansenia.

Dose.—For an adult, in gr. to i gr. in pill after food.

Sodæ Arsenias. 2 NaO, HO, AsO, +14 EO.

Prepared by the action of assenious acid on nitrate and carbonate of soda.

Action. — Tonic, alterative. Useful in chronic nervous affections and cutaneous diseases.

**Dose.**—For an adult,  $\frac{1}{10}$  to  $\frac{1}{2}$  gr. in pill after food.

Liquor Sodæ Arseniatis.

A solution of arseniate of sods, 4 grs., in an ounce of water. About same strength as Liquor Arsenicalis.

Action.—Tonic, alterative. Useful as above.

Dose.—For an adult, mij to my after food.

Liquor Arsenici Hydrochloricus.

Composed of arsenious acid 80 grs., hydrochloric acid 2 fl.drs., distilled water to make 1 pint. Sp. gr. 1 009. Is the same strength as the liquor arsenicalis.

Action.—As above.

Dose .- For an adult, mij to my or mx after food.

Arsenici Iodidi. AsI.

۲,

Prepared by subliming together fodine and arsenic. Action. —Tonic; resolvent. Useful in lepra and other chronic scaly skin diseases.

Dose. —For an adult,  $\frac{1}{10}$  gr, gradually increased to  $\frac{1}{3}$  gr. Best, given in the form of

Liquor Arsenici Iodidi. Amer. Disp.
Composed of liquor iodinii compositus 1 fl.oz., liquor potasses arsenitus 4 fl.oz.
Action.—As above.
Dose.—For an adult, my to mxy after food.

Liquor Arsenici et Hydrargyri Hydriodatis. (Donovan's Solution.)

(Donovan solution.)

A solution of the iodi-arsenite of mercury, each drm. of which contains the equivalent of \( \frac{1}{2} \) gr. of arsenious acid, \( \frac{1}{2} \) gr. of peroxide of mercury, and \( \frac{1}{2} \) gr. of iodine.

Action.—As above. Especially useful in syphilis.

Doss.—For an adult, my to max after food.

ASARUM EUROPEUM. The leaves or the root of the common Asarabaeca.

Action.—Emetic; expectorant; in small doss errhine.

Doss.—Of the powder for an adult, 10 to 80 grs. as an emetic.

ASPARAGUS. The root and young shoots of Asparagus officinalis.

Decoctum Asparagi.

Composed of asparagus root 1 oz., water 2 pints. Action.—Diuretic.

Dose. - Ad libitum.

ASSAFCETIDA. The gum resin of Narthex assafcetida. Action.—Antispasmodic; stimulant.

Dose.—For an adult, 5 to 20 grs. in pill or emulsion.

Emplastrum Assafætidæ. (Ph. Egin.)
Composed of litharge plaster and assafætida, of each 2 oz., galbanum and bees'-wax, of each 1 oz.

Action.—Stimulant.

Enema Assafœtidæ.

Assafœtida 30 grs., distilled water, 4 fl.oz.

Action.—Stimulant; antispasmodic. Useful in flatulance.

Pilula Aloes et Assafœtidæ.

Composed of socotrine aloes, assafætida, hard soap, and confection of roses, of each 1 oz.

Action.—Purgative; antispasmodic. Useful in hysteria.

Dose.—For an adult, 5 to 10 grs.

Pilula Assafœtidæ Composita. (Pilula Galbani Composita. Ph. Lond.) Composed of assafœtida, galbanum, myrrh, of each 2 os., treacle 1 oz. by weight. Action.—Antispasmodie; stimulant. Used in flatulence.

Dosc.—For an adult, 5 to 10 grs.

Tinctura Assafetida.

Composed of assafostida 21 oz., rectified spirit 1 pint. Action .- Stimulant; antispasmodic. Useful in flatulence and hysteria.

Dose. - For an adult, f3ss, to f3j.

ATROPIA. C., H., NO.. The alkaloid obtained from the root of Atropa belladonna. Deadly nightshade. Action - Anodyne; sedative; narcotic. Dose. - For an adult, 100, 10 to 10 gr. Soldom used internally.

Liquor Atropiæ. (Tinetura Atropiæ.) Atropine 4 grs., rectified spirit 1 fl.dr., water 7 fl.dr. 5i = 4 gr.Action. - Anodyne : sedative. Dose .- For an adult, mj to mij.

Unguentum Atropiæ. Atropia 8 grs., rectified spirit mxxx, lard 1 oz. 3ss = 1 pr.Action.—Anodyne; sedative. To be used cautiously.

Atropiæ Sulphas.

Liquor Atropiæ Sulphatis.

Prepared by the action of dilute sulphuric acid on atropia. Used only for the preparation of

Composed of sulphate of atropine 4 grs., rectified spirit 1 fl.dr., distilled water 7 fl.drs. Action.-As a lotion to the eye, it is less irritating than the uncombined alkaloid. Poss.—For an adult, mij to miv = 10 to 10 gr. For suboutaneous injection mj to mij. This may be comhined with the acetate of morphis, so that i to i gr. in injected.

#### AURANTIUM.

Aurantii Cortex. The dried outer part of the rind of the bitter orange. Citrus Bigaradia.

Action.—An aromatic bitter stomachic tonic.

Dosc.—For an adult, 80 to 60 grs., or more.

Infusum Aurantii.
Bitter orange-peel ½ oz., water 10 fl.oz.
Action.—An agreeable aromatic bitter tonic.
Dose.—For an adult, f3j to f3j;
For a child a year old, f3j.
Incompatibles.—The salts and preparations of iron.

Infusum Aurantii Compositum.

Bitter orange-peel ½ oz., lemon peel 60 grs., bruised cloves 30 grs., water 10 fl.oz.

Action.—An aromatic stimulating stomachic tonic.

Dose.—For an adult, f3j to f3j.

For a child a year old, f3j.

Incompatibles.—As above.

Syrupus Aurantii.
Tincture of orange-peel 1 fl.oz., syrup 7 fl.oz.

Action.—It has very feeble action, and is chiefly of use to flavour other medicines.

Dose.—For an adult, f3j to f3ij.

For a child a year old, nx.

Tinctura Aurantii.

Bitter crange-peel 2 cs., proof spirit 1 pint.

Action.—As above.

Doss.—For an adult, 13ss. to 13ij.

For a child a year old, my.

Vinum Aurantii.

Wine made in Britain by the fermentation of a saccharine solution, to which the fresh peel of the bitter orange has been added.

Action .- Slightly bitter and aromatic tonic.

Dose. - For an adult, f3j to f3ij, or almost ad libitum.

Aurantii Floris. The flowers of Citrus Bigaradia and Citrus aurantium.

Aqua Aurantii Floris. The distilled water of the flowers.

Action.—Slightly tonic, but used principally to flavour other medicines.

Dose.—For an adult, f3j to f3ij.

For a chikl a year old, f3j to f3ij.

Syrupus Aurantii Floris.
Orange-flower water 8 oz., sugar 3lbs., water 16 oz.
Action.—As above.

Dose. - For an adult, f3j to f3ij.

For a child a year old, mx to mxv.

Auraptii Fructus. The ripe fruit of Citrus Bigaradia.

Tinctura Aurantii Recentis.

Bitter orange and rectified spirit of each q. s.

Action.—An agreeable aromatic bitter tonic.

Dose.—For an adult, f3j to f3ji.

For a child a year old, my to mx.

AVRUM. Gold. Au. Eq. 199.

Aurum Terchloridum. Aucl., Action.—Alterative; resolvent. At one time in great repute for syphilitic affections.

Dose.—For an adult, 12 gr. to 14 gr.

- AVERA. The decorticated seeds of Avena sativa.

  The common cat. Used only for making poultices or for a diluent decoction.
- AXUNGIA. The old Edin. synonym for Adeps Præparatus. Prepared lard.
- BALSAMUM PERUVIANUM. The balsam from the stem of Myroxylon Pereire. Balsam of Peru. Action.—Stimulating expectorant. Useful in many ubacute or chronic forms of pulmonary affections with sough. Also locally to sore nipples and to indolent ulcers.

  Dose.—For an adult. mx to mxv.
- BALSAMUM TOLUTANUM. The balsam from the stem of Myroxylon Toluifera. Balsam of Tolu. Action.—Expectorant; stimulant. Similar to above. Dose.—For an adult, 10 to 20 grs. in emulsion.

Syrupus Tolutanus.

Balsam of tolu 1½ oz., sugar 2 lbs., water 1 pint.

Action.—The same as, though milder than, the Balsams.

Dosc.—For an adult, f3j to f3ij, or more, for coughs.

For a child a year old, wx.

Tinctura Tolutana.

Balsam of tolu 2½ oz., rectified spirit 1 pint.

Action.—Stimulant and expectorant.

Dose.—For an adult, mxx to mxxx.

**EXPLIE SULPHAS.** The sulphate of the alkaloid of Bebeeru bark (Nectandra Rodizei).  $C_{85}H_{80}NO_{4}$ ,  $HO_{s}SO_{2}$ .

Action.—A simple bitter tonic, possessed of antiperiodic properties allied to quinine.

Dose. - For an adult, 1 gr. to 5 or 10 grs., in pill or

solution with sulphuric acid.

Incompatibles.—Alkalies and their carbonates, vegetable acids and astringent infusions, the bromide and iodide of potassium.

BELE FRUCTUS. The dried half-ripe fruit of Ægle
Marmelos. Bael fruit.

Extractum Belæ Liquidum.

Composed of bael 1 lb., water 12 pints, evaporated to

14 fl. oz., with 2 fl. oz. rectified spirit added.

Action.—An astringent, said to be very useful in dysentery. One fluid ounce represents one ounce of bael.

Dose. - For an adult, f3j to f3ij.

For a child a year old, my to myiij.

BELLADONNE FOLIA. The fresh leaves, with the branches to which they are attached, of Atropa Belladonna. Deadly Nightshade.

Action.—Narcotic and anodyne. Useful in neuralgia

and various convulsive disorders; also in habitual constitution († to † gr.); and in nocturnal incontinence of urine.

Dose.—For an adult, 1 gr. to 5 grs. Seldom used in this form.

Incompatibles. — Caustic all. alis, opium, strychnia.

Emplastrum Belladonnæ.

Composed of 3 os. each of extract of beliadorna and resin plaster, and 6 fl.ox. of rectified spirit.

Action .- Anodyne ; sedative.

Extractum Belladonnæ.

The expressed juice evaporated to a proper consistence.

Action.—Anodyne; sedative; narcotic.

Dose. -For an adult, 1 to 1 gr.

Succus Belladonns.

Action.—As above.

Dose.—For an adult, my to mxx.

Tinctura Belladonna.

Belladonna leaves 1 oz., proof spirit 1 pint.

Action.—As above. Useful in whooping-cough.

Dose.—For an adult, my to mxx or mxxx.

For a child a year old, mj.

This preparation is about half the strength of the Tinctura Belladonnæ of the Ph. Lond. and Dub. One drachm is equal to 1 gr. of extract.

Unguentum Belladonnæ.

Composed of extract of belladonna 80 grs., lard 1 oz. Action.—Anodyne; sedative.

BELLADONNE RADIX. The dried root.

Linimentum Belladonnæ.

Belladonna root 20 oz., camphor 1 oz., rectified spirit 1 pint. 1 fi.oz. represents 1 oz. of the dried root. Action.—Anodyne; sedative. Diluted with other liniments; too powerful alone.

Atropia. Vide page 84.

BENZOINUM. A resinous exudation of the stem of Styrax Benzoin.

Action.—Stimulating expectorant, and antispasmodic. Dose.—Of the gum resin for an adult, 5 to 10 gra., largely diluted with water or in pill.

Acidum Benzoicum.

Obtained by subliming benzoin. HO, C, 4H, O, Action.—Diuretic; antispasmodic. Has the property of rendering alkaline urine acid, by the conversion of senzoic into hippuric acid in passing through the system.

Dose.—For an adult, 10 to 20 grs. Is best given as a benzoate in the form of ammoniæ benzoas, infra.

Adeps Benzoatus.

Composed of prepared lard 1 lb., benzoin 160 grs. Action.—Stimulant. Used for making gall, lead, sulphur, and zind ointments.

Ammoniæ Benzoas.

Prepared by the action of benzoic acid on solution of ammonia. NH<sub>4</sub>O, C<sub>14</sub>H<sub>4</sub>O<sub>2</sub>, and stimulant to the urinary mucous membrane. Vide ACIDUM BENZOICUM.

Dose. - For an adult, 10 to 20 grs.

For a child a year old, I to 2 grs.

Incompatibles.—Caustic alkalis, acids, and the persalts of iron.

Tinctura Benzoini Composita. (Friar's Balsam.) Composed of benzoin 2 oz., storax 1½ oz., balsam tolu ½ oz., socotrine aloes 160 grs., rectified spirit 1 pint. Action.—Stimulating expectorant, and antispasmodic. Useful also as an application to sluggish ulcers. Dosc.—For an adult, f3ss. to f3j.

For a child a year old, my.

Water decomposes it, and throws down the resin; it should, therefore, be given with mucilage.

EXERGERIS LYCIUM. The bark only is used. Rusot. This drug has great repute in India as a febrifuge: it is also slightly astringent, and is useful as a local application in some affections of the eye.

Tinctura Berberis Lycii.
Composed of the bark 8 oz., proof spirit 2 pints.
Action. —Used in India as a febrifuge.
Dose.—For an adult, f5ss. to f5ij.

BISMUTHUM. A crystalline metal. Bi. Eq. 213.

Bismuthi Carbonas. 2 (BiO<sub>s</sub>, CO<sub>2</sub>)HO.

Prepared by the reaction of nittic acideon bismuth, and subsequent addition of carbonate of ammonia.

Action.—Sedative; tonic. More soluble, and therefore more easily borne, than the fitrate. Useful in exact only in and dyspepsia, in pyrosis and vomiting. Should be suspended in mucilage.

Dose.—For an adult, 5 to 20 grs.

Bismuthi Ammonio Citratis.
A soluble form of bismuth.
Action.—As above.
Dose.—For an adult, 2 to 5 grs.

Liquor Bismuthi et Ammoniæ Citratis.

Prepared by the action of nitric acid on bismuth, with reaction of solution of ammonia and citric acid.

Action.—Sedative; tonic. Useful as above.

Dose.—For an adult, f3ss. to f3j.

One fluid drachm contains 3 grs. of oxide of bismuth.

Bismuthi Oxidum.

Prepared by the action of solution of soda on the subnitrate of bismuth.

Action.—As above.

Dose. - For an adult, 5 to 15 grs.

Bismuthi Subnitras. (Bismuthum Album; Bismuthi Trisnitras.) BiO<sub>2</sub>, NO<sub>2</sub> 2 HO.

Prepared by the action of nitric acid on bismuth.

Action.—Tonic; alterative; sedative; astringents.

Uses as above. Should be suspended in mucilage.

Dosc.—For an adult, 5 to 20 grs. in pill or powder.

For a child a year old, 1 gr.

### Trochisci Bismuthi.

Composed of white bismuth 1440 grs., carbonate of magnesia 4 oz., carbonate of lime 6 oz., sugar 29 oz., gum acacia 1 oz., mucilage of gum acacia 2 fl.oz., rosewater q. s. Divide into 720 lozenges, each containing 2 grs. of bismuth.

Dose.—For an addit, 2 to 5 lozenges.

#### Bismuthi Tannas.

Action.—Astringent; sedative. Very useful in acute or chronic diarrhosa.

Dose.—For an adult, 10 to 20 grs.

Bismuthi Valerianas.

Action.—Antispasmodic, astringent, and sedative. Useful in gastrodynia and gastralgia.

Dose.—For an adult, ½ gr. to 2 grs. in pill.

BISTORT. The root of Polygonum bistorts.

Action.—Pure vegetable astringent.

Dose.—For an adult, 15 to 30 grs. of the powdered root.

Incompatibles.—The salts and preparations of iron.

Decoctum Bistortæ.

Composed of bistort root 2 oz., water 11 pints.

Action. - Astringent.

Dose.—For an adult, f3j to f3ij.
For a child a year old, f3j.

Incompatibles.—The preparations of iron.

BORAGO OFFICINALIS. Common Borage.

"The seeds and leaves are good to increase milk in women's breasts."—CULPEPPER.

BORAK .- Vide Sode Biboras.

BROMUM. A liquid non-metallic element obtained from sea-water. Br. Eq. 80.

Action.—Caustic. Has been applied to cases of cancer uteri (12 minims of bromine to f3jof spirit). Requires great care.

Ammonii Bromidum.

Prepared by the action of bromine on ammonia.

Action.—Alterative; resolvent.

Dosc.—For an adult, 5 to 10, 20, or 30 grs.

For a child a year old, 1 gr. to 1 gr.

Potassii Bromidum. KBr.

Prepared by action of bromine on solution of potash.

Action. —Alterative; resolvent.

Dosc.—For an adult, 5 to 10, 20, or 30 grs.

For a child a year old, 1 gr. to 1 gr.

BRUCIA. One of the alkaloids from Nux vomica. The salts of brucia are formed by saturating dilute acids with brucia. C<sub>4e</sub>H<sub>se</sub>N<sub>2</sub>O<sub>2</sub>.

Action.—A pure bitter tonic, no astringency or aroma.

Does.—For an adult, 1 gr. to 5 grs.

Incompatibles. -- Potash, soda, ammonia, and the alkaline parths.

#### BRYONIA NIGRA.

The black bryony has great repute in cases of bruise, "black eye," and ecchymosed spots. It should be applied as a poultice made with scrapings of the root and breadcrumbs.

UCHU FOLIA. The dried leaves of Barosma betulina, B. crenulata, and B. serratifolia. Buchu. Action.—Tonic; diaphoretic; diuretic. Useful in irriability of bladder with frequent micturition, in diseases of prostate. Dosc.—For an adult, 20 to 30 grs. of the powder.

Infusum Buchu.

Domposed of buchu ½ oz., water 10 fl.oz.

Action.—Diuretic; \*tomachic; diaphoretic.

Dose.—For an adult, f5j to f5ji.

For a child a year old, f3j.

Tinctura Buchu.
Composed of buchu 2½ oz., proof spirit 1 pint.
Action.—Divertic; stomachic; diaphoretic.
Dose.—For an adult, \$388. to \$50.
For a child a year old, \$\pi v\$.

### CADMIUM. Cd. Eq. 64.

Cadmii Iodidum. CdI.

Prepared by direct combination of iodine and cadmium, Action.—Alterative and resolvent, allied to the action of iodide of lead.

Unguentum Cadmii Iodidum.
Iodide of cadmium 60 grs., simple ointment 1 os.
Action.—Alterative; resolvent.

Cadmii Sulphas. CdO, SO<sub>8</sub> + 4 HO.

Prepared by dissolving the carbonate in sulphuric acid.

Action.—Astringent and tonic; has been stated to possess powerful anti-syphilitic properties.

Dose.—For an adult, 1 to 2 grs. in pill.

**CAJUPUT.** The leaves of Melaleuca minor, from Batavia and Singapore.

Oleum Cajuputi. Obtained from the leaf of the plant by distillation.

Action.—Powerful general stimulant; antispasmodio.

Useful locally in chronic rheumatism, and in cases where a general diffusible stimulagt is required.

Does.—For an adult, mij to mx, on sugar or in emulsion.

Spiritus Cajuputi.
Oil of cajuput 1 fl.oz., rectifled spirit 49 fl oz.
Action.—Stimulant; antispasmodic.
Dose.—For an adult, mxv to f3j.
For a child a year old, mij.

This preparation is one-fifth the strength of that in the British Pharmacopæia of 1864.

CALABAR BEAN. Vide Physostigma Venenosum.

CALAMUS. The dried underground stem of Acorus calamus. Sweet flag.

Infusum Calami.

Composed of common sweet flag 1 oz., water 1 pint. Action.—An aromatic bitter, without astringency. Dosc.—For an adult, f5j to f5ij.

For a child a year old, \$\forall Z\_j\$.

Incompatibles.—The salts and preparations of iron.

## Tinctura Calami.

Composed of common sweet flag 2 oz., spirit 12 fl.oz. Action.—As above.

Dose. - For an adult, f3j to f3ij.

For a child a year old, mv.

Incompatibles. — As above.

These preparations are very effective in weak and debilitated subjects, and being cheap might be much more freely used.

#### CALOTROPIS GIGANTEA.

Action.—The root and bark of this plant are much used in India as a diaphoretic, purgative, and emetic. It somewhat resembles ipecacuanha.

Dose.—For an adult, 2 to 4 grs. of the powder as a diaphoretic; 20 to 40 grs. as an emetic.

CALUMBÆ RADIX. The root of Cocculus palmatus and Jateorrhiza Calumbo. Calumba.

Action.—A simple bitter demulcent tonic, without astringency or aroma.

Dose.—For an adult, 10 to 30 grs. of the powder.

Incompatibles.—The salts of lead, lime-water, and corrosive sufficient. Not affected by preparations of iron.

Extractum Calumbæ.
An aqueous extract.
Action.—As above.
Dose.—For an adult, 2 to 10 grs.

Infusum Calumbæ.
Composed of calumba root ½ oz., water 10 fl.cs.
Action.—As above.
Dose.—For an adult, f8j to f8ij.
For a child a year old, f8ss.
Incompatibles.—As above.

Tinctura Calumbæ.
Composed of calumba 24 oz., proof spirit 1 pint.
Doc.—For an adult, 13ss. to 13ij.
For a child a year old, mv.
Incompatibles.—As above.

CALX. Lime. An oxide of Calcium (Ca. Eq. 20). CaO. Not used as such in medicine.

Calcis Hydras. CaO,HO.

Action.—Antacid, caustic. Useful in cases of acidity,
dyspepsia, and obstinate vomiting; occasionally given
in rachitis.

Linimentum Calcis. Carron oil.

A solution of lime and olive-oil, of each 2 fl.oz.

Action.—Used as a dressing for burns and scalds.

Liquor Calcis.

A saturated solution of lime (2 oz. to the gallon), containing 114 grs. of lime in a pint of water.

Action.—Feebly astringent; antacid.

Dosc.—For an adult, f3j to f3ij, or more, with milk.

For a child, f3j.

Liquor Calcis Saccharatus.

Prepared by mixing slaked lime 1 oz., sugar 2 oz., and water 1 pint. It contains about 12 times as much lime as the liquor calcis, or nearly 8 grs. of lime to the comes of water.

Aution.—Antsoid.

Dosc.—For an adult, mxv to f5j, in water or milk.
For a child a year old, mil to mv.

Calcii Chloridum.

Formed by neutralizing hydrochloric acid with carbonate of lime. CaCl.

Action.—Resolvent; alterative. Said to be useful in cases of fibrous tumour of the uterus, in scrofulous affections, and glandular enlargements.

Doss.—For an adult, 10 to 20 grs.

Liquor Calcii Chloridi. Ph. Dub.

A solution of chloride of calcium 3 oz., in 12 fl.oz. of water.

Dose. - For an adult, mxxx to f3j.

Calcis Carbonas Precipitata. CaO,CO<sub>2</sub>.

Prepared by the action of carbonate of soda on chloride of calcium in solution, and subsequent precipitation.

Action.—Antacid. Slightly astringent. Useful in

some forms of diarrhea in childhood.

Dose.—For an adult, 10 to 60 grs.

For a child a year old, 1 gr. to 8 grs.

Incompatibles.—Acids, acidulous salts, and caustic alkalis

Calcis Hypophosphis.

Prepared by heating phosphorus with hydrate of lime.

Action.—Recommended by Dr. Churchill for phthiss.

Doss.—For an adult, 5 to 10 grs.

Calcis Phosphas.

Action.—Antacid. Recommended for rickets.

Dose. —For an adult, 10 to 20 grs.

For a child a year old, 1 to 2 grs.

Calx Chlorata. CaO,ClO, CaCl, CaO, HQ.

Liquor Calcis Chloratse.

Composed of chlorinated lime 1 lb., water 1 gallon. Action.—Used only as a disinfectant, or as an application to indolent fetid ulcers.

CAMBOGIA. The gum resin from Garcinia Morella. Gamboge.

Action.—Cathartic Useful in dropsy, as it causes watery evacuations.

Dose.—For an adult, 2 to 4 grs.

Pilula Cambogiæ Composita.

Gamboge, Barbadoes aloes, and compound cinnamon powder, of each 1 oz., hard soap 2 oz., syrup q. s. Action.—A drastic purgative. Causes much griping. Dose.—For an adult, 5 to 10 grs.

Tinctura Cambogiæ.

Gamboge 1 oz., carbonate of potash 1 oz., brandy 12 fl. oz.

Dose. - For an adult, f3ss. to f3j.

This is used largely on the Continent, where it is highly praised.

CAMPHORA. The concrete volatile oil of Camphora officinarum. Camphor. C<sub>20</sub>H<sub>1,5</sub>O<sub>2</sub>.
Action.—Stimulant, antispasmodic, diaphoretic.
Dosc.—For an adult, 1 gr. to 10 grs. in pill.

Aqua Camphoræ. (Mistura Camphoræ. Ph. Lond.) Composed of camphor i oz., distilled water 1 gallon. Action.—Slightly stimulant; antispasmodic. Doss.—For an adult, f3j to f3j or more (1 oz. = 1 gr.) For a child a year old. i3i. Linimentum Camphoræ.
Composed of camphor 1 oz., olive oil 4 fl.os.
Action. —Stimulant; rubefacient.

Linimentum Camphoræ Compositum.
Composed of camphor 2½ oz., oil of lavender 1 fl.dr., strong solution of ammonia 5 fl.oz., rectified spirit 15 fl.oz.
Action.—Stimulant; rubefacient. Useful in chronic rheumatism, neuralgia, and other painful affections.

Spiritus Camphoræ.
Composed of camphor 1 oz., rectified spirit 9 fl.oz.
Dose.—For an acult, mx to f3ss.
For a child a year old, mj to mij.
Should be given in emulsion or mucilage.

Tinctura Camphoræ Composita. (Paregoric.)
Composed of opium 40 grs., benzoic acid 40 grs., camphor 30 grs., oil of anise § fl.dr., proof spirit 1 pint.
Action.—Narcotic; anodyne. Half an ounce contains about 1 gr. of opium. Very useful to check cough in bronchitis, &c.

Dose.—For an adult, mxx to f3j or f3ij.

Dose.—For an adult, mxx to f3j or f3ij.

For a child a year old. miii.

CANELLE ALBE CORTEX. The bark of Canella alba.

Action.—Aromatic; stimulant; tonic.

Dosc.—For an adult, 10 grs. to 40 grs.

CANNARIS INDICA. The dried flowering tops of the female flowers of Cannabis sativa. Indian Hemp.

Extractum Cannabis Indicæ.

A spirituous extract evaporated to a proper consistence.

Action.—Hypnotic; anodyne; antispasmodic. Some constitutions are very susceptible to the action of this drug.

Dose. - For an adult, ‡ gr. to 1 gr.

Tinctura Cannabis Indicæ.

A solution of 1 oz. of the extract in a pint of rectified spirit. 3 grs. of the extract to the drachm.

Action.—As above.

Dose. - For an adult, mx to mxx.

For a child a year old, mj.

It should be given in mucilage, as the resin is precipitated by water; the precipitate is dissolved by alkalis.

**CANTHARIS.** The dried beetle, Cantharis vesicatoria. The Spanish fly.

Action .- Rubefacient, vesicant; diuretio.

Charta Epispastica.

Composed of white wax 4 oz., spermaceti 1½ oz., olive oil 2 fl.oz., resin ¾ oz., cautharides 1 oz., Canada balsan ¼ oz., water 6 fl.oz.

Action.—Vesicant.

Acetum Cantharidis.

Composed of cantharides 2 oz., acetic acid 18 fl.oz., glacial acetic acid 2 fl.oz.

glacita section and 2 in., Action.—Internally, diuretic; externally, rubefacient, irritant, vesicant. Useful application to ringworm.

Doss.—For an adult, mj to miij, freely diluted and in some demulcent liquid. It is rarely used, and is very powerful.

Emplastrum Calefaciens.

Composed of cantharides, expressed oil of nutmeg, yellow wax, resin, of each 4 oz., soap plaster 34 lbs., resin plaster 2 lbs., boiling water 1 pint.

Action.—Stimulant.

Emplastrum Cantharidis.

Composed of cantharides 12 oz., yellow wax and suet, of each 7½ oz., resin 3 oz., lard 6 oz. Action.—Rubefacient, irritant, or vesicant, according to the duration of the application.

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Liquor Epispasticus. (Linimentum Cantharidis. B.P. 1864.)
Composed of cantharides 8 oz., acetic acid 4 fl.oz. ether q. s. to make 1 pint.
Action.—The same as Emplastrum.

Tinctura Cantharidis.

Composed of cantharides 1 oz., proof spirit 1 pint.

Action.—Diuretic; apt to induce strangury. Useful in some chronic nervous affections.

Dose: For an adult, my to mxx, in a mucilaginous or demulcent liquid.

For a child a year old, mss. to mj, ditto.

Unguentum Cantharidis.

Cantharides, yellow wax, of each 1 oz., olive oil 6 fl.os.

Action.—As above. Used to keep up a discharge from a blistered surface.

OAPSIGI FRUCTUS. The dried ripe fruit of Capsicum fastigiatum. Common Capsicum.

Action.—Powerful stimulant. Used principally for gargles, or as a condiment.

Dose.—Of the powder for an adult. 1 to 1 gr. in pill.

Tinctura Capsici...

Composed of capsicum \( \frac{1}{2} \) oz., rectified spirit 1 pint.

Action.—As above. For a gargle, f\( \frac{7}{3} \) to the \( \frac{1}{2} \) pint.

Dose.—For an adult, \( \pi\_X \) to f\( \frac{7}{3} \) ss.

For a child a year old, mi.

A useful gargle, for relaxed sore throats, may be made by adding 1 drachm of this tineture to 8 oz. infusion of roses.

Capsicine.

The active principle of Capsicum.

Action. - As above.

Dose. - For an adult, & gr. to 1 gr.

CARBO ANIMALIS PURIFICATUS. Bone-black deprived of its earthy salts by digestion in hydrochloric acid and water.

Used chiefly as a deodorizer and decolorizer. It is also stated by Dr. Rand, of Philadelphia, to be an antidote for strychnia, aconitine, and morphia.

Dose. - For an adult, 20 to 60 grs.

CARBO LIGNI. Wood charred by exposure to a red heat without access of air.

Action.—Antiseptic and disinfectant. Useful in fostid eructations, and as a purifier to sloughing wounds.

Dosc.—For an adult, 20 to 30, or 60 grs.

Lozenges and biscuits are also made by M. Belloc.

Cataplasma Carbonis.

Composed of wood charcoal & oz., bread 2 oz., linseed mesi 1& oz., water 10 fl.oz.

Action .- Disinfectant to putrid wounds.

CARDAMOMUM. The dried capsules of the Malabar cardamom, Elettaria Cardamomum.

Action.—Carminative; aromatic stimulant and cordial.

Dose.—For an adult, 5 to 20 grs. Not much used in this form.

Tinctura Cardamomi. Ph. Edin.
Cardamom seeds 44 oz., proof spirit 2 pints.
Action.—As above.
Dose.—For an adult, f3j to f3ij.
For a child a year old, my.

Tinctura Cardamomi Composita.

Cardamoms and caraway, of each ½ oz., raisins 2 oz., cinnamon ½ oz., cechineal 60 grs., proof spirit 1 pint.

Action.—As above.

Dose.—For an adult, f3ss to f3ij.

For a child a year old, mv.

CARUI FRUCTUS. The dried fruit of Carum Carui. Common Caraway.

**∆**qua Carui.

Caraway fruit 1 lb., water 2 gallons, distil 1 gallon. Action.—Carminative, aromatic stimulant, and antispasmodic. Useful in flatulence. Dosc.—For an adult, f3 to f3ij.

For a child a year old, f3j.

Oleum Carui.

The oil distilled in Britain from caraway fruit.

Action.—As above.

Dose.—For an adult, mij to mv, in pill, on sugar, or in emulsion.

CARYOPHYLLUM. The dried unexpanded flower-bud of Caryophyllus aromaticus. Clove.

Action.—Stimulant, aromatic, and stomachic.

Dosc.—For an adult, 5 to 10 grs.

Infusum Caryophylli.
Composed of cloves \( \frac{1}{2}\) oz., water 10 fl.oz.

Action.—As above.

Dosc.—For an adult, f3j to 3ij or f3iv.

For a child a year old, f3j to f3ij.

Incompatibles.—The metallic salts, mineral acids, lime-water.

Oleum Caryophylli.
The oil distilled in England from cloves.
Action.—As above.

Dose.—For an adult, mij to mvj, in pill, on sugar, or in enulsion.

Pulvis Aromaticus. Vide Cinnamon.

Tinctura Caryophylli.
Composed of cloves 1 oz., rectified spirit 1 pint.

Dose.—For an adult, f3ss. to f3jss.

For a child a year old, nv.

Incompatibles.—The preparations of iron, limewater.

This is a very elegant and effective form. All the preparations of cloves are strengthened by the addition of ammonia.

CASCARILLE CORTEX. The bark of Croton Eleuteria. Cascarilla.

Action.—Aromatic bitter tonic; stomachic.

Doss.—For an adult, 10 to 30 grs. of the powder.

Infusum Cascarille.

Composed of cascarilla bark 1 oz., water 10 fl.oz. Action.—As above. A good tonic in dyspepsia. Rather more aromatic than the tincture.

Dose.—For an adult, f3j to f3ij.

For a child a year old, f3j.

Incompatibles.—The salts and preparations of iron, zinc, lead, silver and antimony.

Mistura Cascarillæ Composita.
Composed ef infusion of cascarilla 17 fl.oz., vinegar of squill 1 oz., tincture of camphor with opum 2 fl.oz.
Action.—Stomaclic; expectorant; sedative.
Dosc.—For an adult, 13j to 13jss.
For a child a year old, 13ss to 13j.
Incompatibles.—As above.

Tinctura Cascarille.

Composed of cascarilla bark 2½ oz., proof spirit 1 pint.

Action.—Tonio; stomachic.

Dose.—For an adult, f3j to f3ij.

For a child a year old, mv.

Incompatibles.—As above; also with the mineral acids, which separate the resin.

CASSIM: PULPA. The pulp of the pods of Cassia Fistula.

Action.—Laxative, purgative in large doses.

Dose.—For an adult, 60 grs. to i os. or more. Confectio Cassiæ. Ph. Lond.
Cassia ½ lb., manna 2 oz., tamarind pulp 1 oz.,
syrup of roses 8 fl.oz.
Dose.—For an adult, ½ to ½ oz.
For a child a year old, 20 grs.
This is a mild and very agreeable aperient for chil-

Confectio Sennæ. Vide preparations of Senna.

CASTANEA EQUINA. Common horse-chestnut.

Liquor Castaneæ Equinæ.

Dose.—For an adult, f3j to f3ij.

This preparation is said to be very useful in gout, acute rheumatism, and certain neuralgic affections. It is also applied externally in the form of cleum for the same diseases.

CASTOREUM. The dried preputial follicles of the beaver, Castor fiber, and their secretions.

Action.—Antispasmodic; stimulant. Used in hysteria.

Dose.—For an adult, 5 to 10 grs.

Tinctura Castorei.
Composed of castor 1 oz., rectified spirit 1 pint.
Action.—As above.
Dose.—For an adult, max to f3j.

Tinctura Castorei Ammoniata. Ph. Edin. Castor 2½ cz., assafœtida 600 grs., spirit ammonia 2 pints.

Action.—Stimulant; antispasmodic.

Dost.—For an adult, fiss. to fiji.

CATECHU PALLIDUM. An extract of the leaves and young shoots of Uncaria Gambir.

Infusum Catechu. (Formerly Inf. Catechu Comp.) Catechu 160 grs., cinnamon 30 grs., water 10 fl.oz. Action.—Astringent; for mucous discharges, diarrhea, hæmorrhages, &c.

Dose.—For an adult, f3j to f3ij.
For a child a year old, f3j.

Incompatibles.—The salts and preparations of iron. Alkaline salts destroy the astringency of the preparations of catechu.

Pulvis Catechu Compositus.

A mixture of catechu 4 oz., kino and rhatany, of each 2 oz., cinnamon and nutmeg, of each 1 oz.

Action.—A good astringent in diarrhœa.

Dosc.—For an adult, 20 to 40 grs.

For a child a year old, 2 to 4 grs.

Incompatibles. — As above.

Tinctura Catechu. (Formerly Tinct. Catechu Comp.) Catechu 2½ oz., cinnamon 1 oz., proof spirit 1 pint. Action.—As above.

Dose.—For an adult, f3rs. to f3ij.
For a child a year old, mv.

Incompatibles. - As above.

Trochisci Catechu.

Composed of catechu 720 grs., sugar 25 oz., gum acacia 1 oz., mucilage of gum acacia 2 fl.oz., water q. a. Divide into 720 lozenges. Each lozenge contains about 1 gr, of catechu.

Dosc. -- 2 to 6 lozenges.

CENTAURIUM. The herb or tops of Erythrea centaurium. Lesser centaury.

Action.-It is a most admirable and effective bitter,

resembling gentian.

Dosc.—For an adult, 20 to 60 grs. of the powder.
Incompatibles.—The salts and preparations of iron.
An infusion may also be made.

CERA ALBA. Yellow wax, bleached by exposure to moisture, air, and light.

Action.—Used as an ingredient to give consistency to ointments.

Unguentum Simplex.

White wax 2 oz., lard 3 oz., almond oil 3 fl.oz. Cold Cream is composed of white wax and spermaceti, of each 1 part, oil of almonds 6, rose water 9 parts, and perfumed with otto of roses.

Action.—Emollient.

CERA FLAVA. The prepared honeycomb of Apis mellifica. Yellow wax.

Action.—Used merely as a vehicle in ointments.

CEREVISIÆ FERMENTUM. Yeast is the scum which forms during fermentation in brewing beer. Action.—Stimulant; tonic; alterative; antiseptic. Dosc.—For an adult, f3ss. to f3j.

Cataplasma Fermenti.

Beer yeast 6 fl.oz., flour 14 oz., water at 100° 6 fl.oz. Action.—Stimulant to sluggish or sloughing wounds.

CERIUM. Obtained from a rather rare mineral, Cerite. Ce. Eq. 47. Cerii Nitras. CeO, NO.

Action.—The salts of cerium resemble bismuth in their action, but seem to possess a specific action over the sympathetic vomiting of pregnancy and other diseases.

Dose. - For an adult, 3 to 5 grs.

Cerii Oxalas. 2CeO,C4O6, +6 HO.

A salt which may be obtained by adding solution of exalate of ammonia to a soluble salt of cerium.

Action.—Allied to the preceding.

Dose.—For an adult, 3 to 5 grs.

Cerii Oxidum. CeO.

Dose. - For an adult, 3 to 5 grs.

GETACEUM. Spermaceti. Nearly pure cetine, extracted from the oil contained in the head of the Sperm Whale. Physeter macrocephalus.

Unguentum Cetacei.

Spermaceti, 5 oz., white wax 2 oz., almond oil a pint. Action.—Emollient; protective.

CETRARIA. The entire lichen, Cetraria Islandica.

Decoctum Cetrariæ.

Composed of Iceland moss 1 oz., water I pint.

Action.—Demulcent and slightly nutritious tonic.

Useful in congestions of the mucous surfaces of the lauge, stomach, &c.

An agreeable form is the Iceland moss jelly, made by boiling together 1 part of the moss to 10 of water, till it is reduced to 6, and then adding some sugar.

Dose. For an adult, fij to fiv, or ad libitum.

For a child a year old, f3j to f3ss.

## CHENOPODIUM ANTHELMINTICUM, or Worm's

Action.—Anthelmintic; it is regarded in America as most efficient in destroying the ascaris lumbricoides.

Dose.—For an adult, 20 to 40 grs. of the powdered seeds in syrup.

Decoctum Chenopodii.

Composed of chenopodium 1 oz., milk a pint; boil.

Dose.—For an adult, f3j to f3iij.

For a child a year old, f3j to f3jj.

Oleum Chenopodii.

Dose.—For an adult, mx to mxx on sugar or in emulsion.

For a child a year old, mj to mij.

CHIMAPHILA. The leaves and stems of Chimaphila or Pyrola umbeliata. Winter green.

Decoctum Chimaphila. Ph. Lond. Composed of Chimaphila 1 oz., water 1½ pints, boiled to a pint.

Action.—Astringent; diuretic; tonic.

Dosc.—For an adult, f5j to f5ij.

For a child a year old, 13j.

CHICCOCA ANGUIFUGA. The Snowberry Tree of the West Indies.

Action.—Bitter tonio, diuretic; in larger doses smetic, cathartic; has some repute as a remedy for snake bites.

Dose.—For an adult, 20 to 40 grs. as a tonic; 120 grs. as an emetic.

CHIRATA. The entire plant, Ophelia Chirata. Chiretta.

Action.—Bitter and slightly aromatic tonic, resembling gentian, but has the advantage of not being incompatible with the salts of iron.

Dose. - For an adult, 10 to 30 grs. of the powder.

Infusum Chiratæ.
Composed of chiretta 4 oz., water 10 fl.oz.
Astion.—An excellent bitter tonic.
Dosc.—For an adult, f3j to f3jj.
For a child a year old, f3j.

Tinctura Chiratæ.

Composed of chiretta 2½ cz., proof spirit 1 pint.

Dosc.—For an adult, f3ss. to f3j.

For a child a year old, my.

#### CHLORODYNE.

This is supposed to be a mixture of treacle, chloroform, morphia, Indian hemp, hydrocyanic acid, and capsicum.

Acton.—It possesses agreeable soothing properties, without any of the unpleasant effects of opium.

Dosc.—For an adult, mx to mxx.

Vide preparations of Chloroform.

CHLOROFORMUM. A terchloride of Formyle, C.H.Cla. Sp. gr. 149.
Formed by first distilling a mixture of rectified spirit and water with slaked and chlorinated lime. The product is well mixed, and washed with water again and again; it is then to be washed with sulphuric acid and chloride of calcium, and slaked lime to be after-

wards added; finally, it is to be distilled by a water-bath.

Action.—Stimulant, antispasmodic, sedative, and narcotic, according to the dose.

Dose.—For an adult, mj to mv or mx, in emulsion of egg. Used also by inhalation.

## Linimentum Chloroformi.

Chloroform 2 fl.oz., liniment of camphor 2 fl.oz.

Action. —Stimulant, rubefacient, and anodyne.

Spiritus Chloroformi (Chloric Ether). Sp. gr. 0.871.

A solution of chloroform 1 oz., in rectified spirit 19 oz.

Action. — Anodyne; antispasmodic; stimulant.

Dose. — For an adult, mxx, mxx, to f3j.

For a child a year old, mi to mij.

#### Tinctura Chloroformi.

Chloroform 4 fl.oz., rectified spirit 4 fl.oz., treacle 4 fl.oz., extract of liquorice 2½ oz., muriate of morphia 8 grs., oil of peppermint 16 minims, syrup 17½ fl.oz., prussic acid (2 per cent.) 2 fl.oz.

The above is the composition of a mixture which Mr. Squire says is sold as Chlorodyne.

Action.—Narcotic; sedative; stimulant.

Dose.—For an adult. My to Mx or Mxx.

Tinctura Chloroformi Composita.

Composed of chloroform 2 fl.oz., rectified spirits 8 fl.oz., compound tincture of cardamoms 10 fl.oz.

Action.—Stimulant; sedative. The chloroform very readily separates.

Dose.—For an adult, mx to mxxx, or f3j.

For a child a year old, mij to mv.

Chloral Hydras.

Prepared by the action of chlorine gas upon absolute alcohol.

Action.—Hypnotic; anodyne; antispasmodic. Dose.—For an adult, 10 grs. to 30 grs.

Syrupus Chloral.

Hydrate of chloral 80 grs., distilled water 4 fl.oz., simple syrup q. s. to make 1 fl.oz.

Action.—As above. Most useful as a pure, simple hypnotic.

Dose.—For an adult, f3j to f3ij.

#### Chloralum.

An impure solution of Chloride of Aluminum.

Action.—Disinfectant. For ordinary use it should be diluted with about four times its volume of water. Useful as a gargle for relaxed and putrid sore throat.

CHLORUM. (Formerly Chlorinium.) Cl. Eq. 35.5.

Liquor Chlori.

A solution of chlorine gas in water. Prepared by acting on black oxide of manganese with hydrochloric acid. Sp. gr. 1 '008.

Action.—Antiseptic, slightly stimulant. Useful as a disinfectant gargle for putrid sore throat, or as a wash to festid wounds.

Pose.—For an adult, f3 ss. to f3j, largely diluted.

For a child a year old, mij to miv.

Vapor Chlori.

Take of chlorinated lime 2 oz., water a sufficiency; put the powder into a suitable apparatus, moisten it with the water, and let the vapour that arises be inhaled. Action.—As above. CHONDRUS CRISPUS. Carrageen or Irish Moss.

As best given in form of decection (\frac{1}{2} \text{ oz. of the moss to 8 pints of water); but it also makes a good jelly.

Action.—Useful as a demulcent and nutrient.

Dose.—Ad libitum.

CINCHONE FLAVE CORTEX. The bark of Cinchona calisaya. Yellow Cinchona bark.

Action.—Bitter tonic, with slight astringency; antiperiodic. 100 grs. contains 2 grs. of quinine.

Doss.—For an adult, 10 to 60 grs. of the powder,

For a child a year old, 2 grs.

Incompatibles.—Preparations of iron, silver, and lead, tartar emetic, and lime water, ammonia, gelatine.

Decoctum Cinchonæ Flavæ.

Composed of yellow cinchona bark 12 oz., water 1 pint, Action.—As above.

Dose. - For an adult, f3j to f3ij.

For a child a year old, 13ss.

Incompatibles. — As above.

Similar preparations to the above, not in the *Pharmacopoia*, may be made of the Cinchona pallida and Cinchona rubra.

Extractum Cinchonæ Flavæ Liquidum.

A watery extract of 1 lb. of yellow bark evaporated to about 3 fl.oz. of sp. gr. 1.200, to which add 1 fl.oz. of rectified spirit, leaving it of sp. gr. 1.109. One part of this extract is equal to four of bark.

Action.—Bitter tonic, with slight astringency. This

Action.—Bitter tonic, with slight astringency. The is one of the best preparations of bark.

Dose.—For an adult, mx to mxxx.

For a child a year old, mj to mij.

Incompatibles.—The same as Cinchonse Flavse Cortax.

This preparation resembles very much the Liquor Cinchonse of Battley, and is of nearly the same strength.

Infusum Cinchonse Flavæ.

Composed of yellow cinchons bark ½ oz., water 10 fl. cz.

Action.—As above.

Dose.—For an adult, f5j to f5ij.

For a child a year old, f3ss.

Incompatibles.—The same as Cinchonse Flavæ Cortex.

Tinctura Cinchonæ Flavæ.

Yellow cinchona bark 4 oz., proof spirit 1 pint.

Action.—As above.

Dose.—For an adult, f3ss. to f3ij.

For a child a year old, miij.

Incompatibles.—The same as Cinchonæ Flavæ Cortex.

There is a similar preparation, not in the Pharmacoppaia, of the Cinchona pallida.

For the preparations of Quinine, which are all obtained from the yellow bark, see QUINIE.

CINCROME PALLIDE CORTEX. The bark of Cinchona Condaminea. Pale Cinchona bark.

Action.—Astringent; bitter tonic.

Dosc.—For an adult, 10 to 60 grs. in powder.

200 grs. contain 1 gr. of alkaloids, mostly quinine.

Infusum Cinchonse Pallidse. Ph. Lond.
Composed of cinchons pallids 1 oz., water 1 pint.
Dose.—For an adult, f5j to f5j.
For a child a year old, f5j.
This is a more delicate, but a much weaker preparation, from the difference in quality of the two barks.

Tinctura Cinchonæ Composita.
Composed of pais cinchona bank 2 oz., bitter orangepeel 1 oz., serpentary 4 oz., saffron 60 grs., cochineal 80 grs., proof spirit 1 pint.
Action.—Aromatic bitter tonic.
Dosc.—For an adult, 13ss. to 13ij.
For a child a year old, mijj.

CINCHONE RUBBE CORTEX. The thark of Cinchona succirubra. Red Cinchona bark.

Action.—Bitter tonic, very slightly astringent.

Dose.—For an adult, 20 to 60 grs. in powder.

190 grs. contain 1.5 gr. of alkaloids, mostly quinine.

Cinchonia Citras Effervescens. (Granular.)
A citro-tartrate of sods, with 2 grs. of citrate of cinchonine in 60 grs.; soluble in water with effervescence.

Action.—A very agreeable tonic, especially applicable to delicate organizations.

Desc.—For an adult. 60 to 120 grs.

Cinchonia Murias. Derived from Cinchona bark. Desc.—For an adult, 1 gr. to 5 grs.

Cinchonia Sulphas.

Dosc.—For an adult, 1 gr. to 5 grs.

Both the preceding preparations are cheap and effective substitutes for quinine.

CINVANOMI CORTEX. The inner bark of Cinnamonnum Zeylanicum. Cinnamon.

Aqua Cinnamomi.

Cinnamon 20 oz., water 2 gallons; distil a gallon.

Action.—Carminative ; stimulant.

Dose .- For an adult, f3j to f3iij.

For a child a year old, f3j to f3ij.

Oleum Cinnamomi.

Action .- As above ; emmenagogue.

Dose.—For an adult, mj to miv in pill, on sugar, o in emulsion

Pulvis Cinnamomi.

Action .- Carminative, stomachic, slightly astringent.

Dosc .- For an adult, 10 to 20 grs.

For a child a year old, 1 gr. to 2 grs.

Pulvis Cinnamomi Compositus.

Cinnamon 1 oz., cardamoms 1 oz., ginger 1 oz.

Action .- As above.

Dose.—For an adult, 3 to 10 grs.

For a child a year old, 1 gr.

Pulvis Cretse Aromaticus. Vide CRETA.

Tinctura Cinnamomi.

Composed of cinnamon 2½ oz., proof spirit I pint. Action.—Carminative; stimulant; stomachic; and

emmenagogue.

Dose.—For an adult, 3ss. to f3ij.

For a child a year old, mv.

Tinctura Cinnamomi Composita. Ph. Lond. Cinnamon 1 oz., cardamoms 3 oz., long pepper 150 gra., ginger 150 gra., proof spirit 2 pints.

Action.—As above.

Dose.—For an adult, f3j to f3ij.

For a child a year old, mv.

The Tinctura Lavandulæ Comp. also contains cinnamon. Vide Lavandula.

COCCULUS. The dried fruit of Anamirta cocculus.
Indian coccles.

Its action is that of an aerid narcotic, but it is seldom or never given internally.

Unguentum Cocculi.

The seeds of Indian coccles 80 grs., lard 1 oz. Action.—Used as an application to destroy the fungi in ringworm, &c., for which it is said to be a specific.

COCCULUS CORDIFOLIUS. Gulancha.

This drug, which is officinal in the Bengal Pharmacopæia, is highly esteemed as a tonic and diuretic. It is best given in the form of decoction (2 oz. to 1 pint); dose, f3j to f3j; or of tincture (8 oz. to 1 pint of proof spirit); dose, f3j to f3jj.

Coccus. The dried female insect, Coccus cacti.

Action.—Said to be anodyne and sedative. Useful in pertussis.

Dose. - For an adult, 1 to 1 gr. three times a day.

Tinctura Cocci.

Composed of cochineal 23 oz., proof spirit 1 pint.

Action.—Its chief, perhaps its only, use is as a colouring ingredient, though it is said to possess antispasmodic powers, and to be useful in whooping cough.

Does.—For an adult, max to f3es. or f3j.

CODEIA. One of the alkaloids obtained from opium.

Action.—Said to be of great value as a hypnotic, causing none of the evil effects of opium.

Dose.—For an adult, 1 gr. to 2 grs.

SOLCHICI CORMUS. The fresh corm of Colchicum autumnale. Meadow Saffron.

Action.—Diuretic; purgative; and sedative to the heart's action. Used especially in gout and dropsy.

Dose.—For an adult, 2 to 8 grs. of the powdered corm.

Acetum Colchici. Ph. Lond.

Composed of colchicum corms 1 oz., vinegar 16 fl.oz., proof spirit 1 fl.oz.

Action.—As above.

Dose.—For an adult, f3ss. to f3j.

For a child a year old, mij.

Extractum Colchici.
An extract of the recent corm.
Action.—As above.
Doe..-For an adult, ½ gr. to 1 or 2 grs.

Extractum Colchici Aceticum.

An acetous extract evaporated to a proper consistence.

Action.—Diuretic; purgative; sedative.

Dosc.—For an adult, 4 gr. to 1 or 2 grs.

. Vinum Colchici.

Composed of colchicum corm 4 cs., sherry 1 pint.

Desc.—For an adult, mx to 13ss. or 13j.

For a child a year old, mj or mij.

colomici semina. The fully ripe seeds of Colonicum autumnale. Meadow Saffron.

Action.—The seeds are more uniform in their action than the corm, and they are also somewhat milder. Dosc.—For an adult, 3 to 10 grs. of the powdered seed.

Tinctura Colchici Seminum.

Composed of colchicum seed 2½ oz., proof spirit 1 pint. Action.—As above.

Dose. - For an adult, mx to mxxx.

For a child a year old, mij to mij.

Tinctura Colchici Seminum Compositum.
Ph. Lond.

Composed of colchicum seeds 5 oz., aromatic spirit of ammonia 2 pints.

Action. - Diuretic; stimulant.

Dose. - For an adult, mxv to f3j.

For a child a year old, mj

Vinum Seminum Colchici.

Composed of colchicum seeds 2 oz., sherry 1 pint.

Action.—As above.

Dose.—For an adult, f3ss. to f3j, or f3ij.

For a child a year old, mij.

COLLODIUM. Collection.

A solution of gun-cotton (pyroxylin C<sub>sp</sub>H<sub>sp</sub>8 NO<sub>s</sub>O<sub>sp</sub>) in ether, mixed with  $\frac{1}{2}$  its volume of rectified spirit. Action.—Used only as an external application for the protection of raw surfaces from the air, for which purpose it is sometimes mixed with castor oil in equal parts to increase its pliability, or as in the following:—

#### COLLODIUM FLEXILE.

Collodion 6 fl.oz., Canada balsam 120 grs., castor oil 1 fl.dr.

Styptic Colloid.

A saturated solution of tannic acid and gun-cotton in absolute alcohol and pure ether.

\*\*Action.\*\*—Astringent.\*\* For local application only.

COLOCYNTHIDIS PULPA. The dried decorticated fruit, freed from seeds, of Citrullus colocynthis.

Action.—A powerful purgative, acting chiefly on the amall intestines, in opposition to aloes, which acts principally on the larger.

Dose.—For an adult, 2 to 5 or 10 grs. of the powder. Is too strong for children, and is very apt to gripe.

Decoctum Colocynthidis.

Colocynth 120 grs., water 1 pint; boil, strain, add sulphuric ether 2 fl.drs., syrup of orange-peel 1 oz.

Action. - As above.

Dose. - For an adult, f3ij to f3ss. or f3j.

Enema Colocynthidis. Ph. Lond.

Extract colocynth 30 grs., soft soap 1 oz., water 1 pint.

Action .- Purgative.

Extractum Colocynthidis Compositum.

Composed of colocynth 6 os., extract of socotrine aloss 12 oz., scammony 4 oz., hard soap 8 oz., cardamom seeds 1 os., proof spirit 1 gallon.

Action.-Purgative.

Dosc.—For an adult, 8 to 10 grs. A little henbane should be added to prevent griping.

Pilula Colocynthidis Composita.

Colocynth 1 oz., Barbadoes aloes 2 oz., scammony 2 oz., sulphate of potash ½ oz., oil of cloves 2 fl.drs., water q. s

Action. - As above.

Dose. - For an adult, 5 to 10 grs.

Pilula Colocynthidis et Hyoscyami. Compound colocynth pill 2 oz, extract of hyoscyamus 1 oz.

Action.—As above, but less powerful, and less apt to gripe.

Dosc.—For an adult, 5 to 10 or 15 grs.

Tinctura Colocynthidis. Ph. Boruss.
Colocynth 1 oz, star of anise 60 grs., rectified spirit 1 lb.
Action.—Purgative.
Dose.—For an adult, Max to f3j.

CONII FOLIA. The fresh leaves and branches of Conium maculatum. Spotted Hemlock,

Action — Anodyne; narcotic; sedative; antispasmodic. Allied in action to belladonna and hyoscyamus. It seems also to have special anodyne properties in painful affections of the ovaries. Dosc. — For an adult, 2 to 8 grs. of the powder.

Cataplasma Conii. Hemlock leaf 1 oz., linseed meal 3 oz., boiling water 10 fl.oz. Action.—Sedative: anodyne.

## Extractum Conii.

The expressed juice of the fresh leaves and young branches evaporated to a proper consistence.

Action.—Anodyne; sedative; antispasmodic.

Dose.—For an adult, 2 to 6 grs.

## Pilula Conii Composita.

Extract of hemlock 2½ oz., ipecacuan ½ oz., treacle q. s. Action.—Sedative; expectorant; antispasmodic. Dosc.—For an adult, 5 to 10 or 15 grs.

## Vapor Coniæ.

Take of extract of hemlock 60 grs., solution of potash 1 fl.dr., distilled water 10 fl.drs.

Mix. Put 20 minims of the mixture on a sponge, in a suitable apparatus, so that the vapour of hot water passing over it may be inhaled.

Action. - Useful in spasmodic pulmonary affections.

## Succus Conii.

8 measures of the juice of hemlock leaves, and 1 of spirit.

Action.—As above. Is of great use in painful ovarian diseases.

Dosc.—For an adult, mxxx to f3j or 5ss.

For a child a year old, mij.

# CONII FRUCTUS. The dried ripe fruit of Conium maculatum. Spotted Hemlock.

#### Tinctura Conii.

Composed of hemlock fruit 24 oz., proof spirit 1 pint.

Dose.—For an adult, max to f3j.

For a child a year old, mij to milj or mv.

Unguentum Conii. Ph. Lond. Composed of fresh hemlook and lard, of each 1 lb. Action.—Sedative.

CONTRAJERVA. The root of Dorstenia contrajerva.

Infusum Contrajervæ.
Composed of contrajerva j oz., water 6 fl.os.
Action.—A stimulant tonic and diaphoretic.
Dosc.—For an adult, f3j to f3j.

For a child a year old, f3j.

COPAIBA. The oleo rosin obtained by incising the trunk of Copaifera multijuga. Copaiva. Action.—Stimulant to the nucous surfaces, especially that of the genito-urinary. Useful in gleet and gonorrhoes, and other cases where there is excessive nucous secretion.

Dose.—For an adult, max to f5i.

It is best given in capsules, or in the form of aromatic emulsion rubbed up with mucilage or egg, and sweetened with sugar.

Oleum Copaibe.

Action.—As above.

Dose.—For an adult, my to mxx in emulsion.

CORIANDRI FRUCTUS. The dried ripe fruit of Coriandrum satiyum. Coriander fruit.

Action.—Aromatic; stimulant, carminative.

Desc.—Fer an adult, 20 to 60 grs.

## Oleum Coriandri.

Action .- Aromatic; stimulant.

Dose.—For an adult, mij to mv, in pill, on sugar, or in emulsion.

#### CORONELLA JUNCEA. Milk-vetch.

Action.—The roots, seeds, and leaves are all said to possess galactagogue properties.

#### COTYLEDON UMBILICUS.

Action.—This drug has been recommended as of use in epilepsy and chorea. The best form is the fresh juice in doses of fij, or the extract in doses of 10 to 30 grains.

## CREASOTUM. Creasote. A product of the distillation of wood-tar.

Action.—Stimulant; antispasmodic; antiseptic; allays vomiting. Useful as a local application in scaly outsneous eruptions, and to allay pain in toothache.

Dosc.—For an adult, m; to min; in pill or mucilage,

#### Mistura Creasoti.

Creasote 16 minims, glacial acetic acid 16 minims, spirit of juniper & fl.dr., syrup 1 fl.dr., water 15 fl.oz. Action.—As above.

Dose. - For an adult, f3j to f3ij.

## Unguentum Creasoti.

Composed of creasote 1 fl.dr., simple ointment 1 oz. Action—Stimulant; irritant; disinfectant.

## ▼apor Creasoti.

Take of creasote 12 minims, boiling water 8 fl.oz.

Mix the creasote and water, put them into a suitable apparatus provided with a tube, and inhale the air that passes through the solution from the tube.

Action.-As above.

Liquor Carbonis Detergens.

"An alcoholic solution of coal tar.

Action.—Useful as a local application in cases of chrofic cutaneous irritation in the following formula:—Liq. Carb. Deter. fl. 5ss., Acid. Nit. Dil. fl. 5j, Mist. Camph. fl. 5vij. M.

CRETA. Native friable carbonate of lime, CaO,CO,

Creta Preparata. Chalk freed from impurities by washing.

Action.—Antacid. Used also as an antidote to poisoning by oxalic acid.

Dose.—For an adult, 10 to 30 or 60 grs.

For a child a year old, 1 to 3 grs.

Incompatibles. - Acids; acidulous salts.

Emplastrum Cretæ.

Chalk 4 oz., vinegar 3 oz., mixed to a thin paste.
Used for burns and scalds; is said to give instant
relief and to prevent suppuration. Probably acts
by excluding the air.

Mistura Cretæ.

Composed of prepared chalk and gum acacia, of eacl  $\frac{1}{2}$  oz , syrup  $\frac{1}{2}$  fl. oz . cinnamon water  $7\frac{1}{2}$  fl. oz . Action.—Aromatic : antacid. Useful in diarrhosa.

Dose.—For an adult, f3j to f3ij.

For a child a year old, f3 to f3ij. Incompatibles.—Acids; acidulous salts.

Pulvis Cretæ Aromaticus. (Confectio Aroma-

Composed of cinnamon 4 oz., nutmeg and saffron of each 3 oz., cloves 13 oz., cardamoms 1 oz., sugar 25 oz., prepared chalk 11 oz.

Action.—Aromatic; antacid; astringent. Dosc.—For an adult, 15 to 30 grs. For a child a year old, 2 to 4 grs. Incompatibles.—As above.

Pulvis Cretæ Aromaticus cum Opio.

Aromatic chalk powder 9\( 2\) oz., powdered opium \( \) oz.

Action.—Aromatic, antacid, astringent, and sedative
by the addition of the opium.

Doze.—For an adult, 10 to 40 grs.

For a child a year old, I gr.

Incompatibles.—Acids and acidulous salts.

It contains a gr. of opium in 20 grs.

CROCUS. The dried stigms and part of the style of Crocus sativus. Saffron.

Action.—Slightly stimulant and antispasmodic, but chiefly used as a colouring ingredient. It once had a reputation as an emmenagogue.

Is not used in this state, but as

Tinctura Croci.
Composed of saffron 1 oz., proof spirit 1 pint.
Action.—As above.
Dosc.—For an adult, f3j to f3ij.
For a child a year old, mv.

CROTONIS OLEUM. The oil expressed from the seeds of Croton Tiglium. Purging Croton.

Action.—Powerfully drastic purgative internally; irritant externally.

Doss.—For an adult, mi to mj or mij, in pill or emulsion.

Linimentum Crotonis.
Composed of croton oil 1 fl.oz., oil of cajuput and rectified spirit of each 34 fl.oz.
Action.—Irritant: stimulant.

Sapo Crotonis Tiglii.

Composed of croton oil 2 fl.drs., solution of caustic soda 1 fl.oz.: mix and run into moulds.

Dose.—For an adult, 1 gr. to 3 grs.

This preparation is said to be equally efficacious, and to cause less pain than the pure oil.

CUBEBA. The dried unripe fruit of Cubeba officinalis. Cubebs.

Action.—Stimulant to mucous membranes, especially that of the urinary organs. Used in gonorrhoa, gleet, &c.

Dose.—For an adult, 30 to 60 or 120 grs. of the powder.

Extractum Cubebæ.

An olee-resinous extract, obtained by ether.

Action.—As above.

Dose.—For an adult, 5 to 10 grs. 1 gr. is equal to 8 grs. of the powder.

#### Oleum

Action.—As above. Best given in capsules, on sugar, or with mucilage.

Dose. - For an adult, mx to mxxx.

Tinctura Cubebæ.

Composed of cubebs 21 os., proof spirit 1 pint. Doss.—For an adult, f3j to f3j.

CUPRUM. Fine copper wire, about No. 25. Cu. Eq. 32.

Cupri Sulphas.

Prepared by the re-crystallization of commercial sulphase of copper. CnO,SO,5 HO.

Action .- Astringent, tonic, and, in larger doses (10

grs.), emetic. Externally it is used as a etimulant to sluggish wounds, or as a local astringent, or to allay the irritation of prurigo. Useful in cases of epilepsy, chorea, and other convulsive nervous diseases.

Dose.—For an adult, ‡ gr. to 2 grs. as an astringent;

5 to 10 grs. as an emetic.

Incompatibles.—Alkalis, alkaline earths, and their carbonates, mineral acids, except the sulphuric, the salts of lead and silver, corrosive sublimate, and most vegetable infusions and tinctures.

Cupri Ammoniæ Sulphas.

Prepared by the action of sulphate of copper on carbonate of ammonia. CuO,SO<sub>8</sub>+2 NH<sub>2</sub>,HO.

Action.—As above, and antispasmodic.

Dose. - For an adult, 1 gr. to 3 grs.

Incompatibles—The mineral and vegetable acids, alkalies, except ammonia and magnesia, and most metallic salts.

CURCUMA. The rhizome of Curcuma longa. Turmeric.

Mr. Waring speaks of this as very valuable in coryga. It is used by the Hindoos for that purpose in the form of fumigation. Its ordinary action is that of a stimulant and carminative, but its principal use is as a test for alkalis.

Tinctura Curcume.

Composed of bruised turmeric "l oz., proof spirit ffyj. .

Used in the preparation of turmeric paper.

OUSPARIE CORTEX. The bark of Gallipea cusparia. Cusparia, or Angustura bark.

Action.—Tomic; stimulant; aromatic. Useful as a tonic in low febrile conditions.

Does.—Toron adult, 10 to 30 grs. of the powder.

Infusum Cusparise.

Composed of cusparia bark 1 oz., water 10 fl.oz.

Action.—As above.

Dose.—For an adult, f3j to f3ij.

For a child a year old, f3j.

Incompatibles.—The sulphates of iron, zinc, and copper, nitrate of silver, corrosive sublimate, salts of lead, tartar emetic, and the infusions of gall and catechu.

Tinctura Cuspariæ. Ph. Edin.
Cusparia bark 4½ oz., proof spirit 2 pints.
Action.—Aromatic bitter tonic; stimulant.
Dose.—For an adult, f3j to f3ij.
For a child a year old, mv.

CUSSO, or KOUSSO. The flowers of Brayers anthelmintics.

Action .- Anthelmintic.

Dose.—For an adult, 1 to 1 oz. of the powdered flowers.

Infusum Cusso.

Kousso 1 cz., water 4 fl.oz.; boil for 15 minutes. Action.—Anthelmintic. Principally used for the teenia solium. Should be given with a purgative. Dosc.—For an adult, 2 to 4 or 6 oz.

CYDONIUM. The seeds of Cydonium vulgaris.
The common Quince.
Action.—Demulcent.

Decoctum Cydonii.
Composed of quince seeds \( \frac{1}{2} \) oz., water 20 fl.oz.

Action.—Demulcent. Useful to@happed hands.

Dose.—For an adult, f5ij to f5iv.

Incompatible with acids, metallic salts, and sloohol.

**DAUCUS CAROTA.** Common Carrot.

Action.—Diuretic. Said to possess galactagogue properties.

Doss.—Ad libitum.

Cataplasma Dauci,
The carrot boiled to a proper consistence.
Action.—Stimulant.

**DELPHINIUM STAPHISAGRIA.** Stavesacre. The seeds of this plant have cathartic properties, and they also act as emetic and anthelmintic. *Dose.*—For an adult, 2 to 10 grs. of the powdered seeds.

DIGITALIS FOLIA. The dried leaf of Digitalis purpures. Purple Foxglove.

Extractum Digitalis. Ph. Lond. and Edin. The expressed juice of the fresh leaves evaporated to a proper consistence.

Diuretic, and sedative to the heart's action.

Dosc.—For an adult, 1 to 1½ grs.

Infusum Digitalis.
30 grs. of dried digitalis leaves in 10 fl.oz. of water.
Action.—As above.
Dosc.—For an adult, f3ij to f3ss.
Incompatibles.—The salts of iron and lead, tannin, and all astringent vegetable infusions.

Tinctura Digitalis.
Composed of digitalis 2½ oz., proof spirit 1 pint.

Post.—For an adult, mx to mxx—f5ij or even f5ss.

For a child a year old, m; to mij.

The larger doses of this drug have lately been given in various acute inflammatory diseases, and with none of the bad effects usually anticipated. It has been described as a tonic to the involuntary muscles, the uterus and heart. It is only in large doses that its effect on the cerebro-spinal system is seen. Its administration in large doses requires caution.

Digitalinum.

The active principle of Digitalis.

Action.—The same as the above, but is seldom used, as its action is powerful and dangerous.

Dosc.—For an adult. 14 to 15 gr.

DULCAMARA. The dried young branches of Solanum Dulcamara. Woody Nightshade, of Bitter Sweet. Action.—Stimulating, diaphoretic, diuretic, and alterative.

Decoctum Dulcamaræ. Ph. Lond.
Dulcamara 1½ os., water 1½ pints, boiled to a pint.
Action.—As above.
Dosc.—For an adult, f3j to f3j.
For a child a year old, 15j.

Infusum Dulcamaræ.
Composed of dulcamara 1 os., water 10 fl.os.
Action.—As above.
Dose.—For an adult, f5j to f5iij.
For a child a year old, f5j.

ECHIUM VULGARE. Viper's Bugloss.
"The seed drunk in wine preserveth abundance of milk."—Culmeren.
Asion.—It is described as having galactagogue properties.

ELATERIUM. (Extractum Elaterii. Ph. Lond.) A sediment from the expressed juice of the fruit of Ecbalium officinarum. Squirting Cucumber.

Action.—It is a powerful drastic purgative. Useful in cases of dropsy where watery evacuations are desired. Henbane provents its griping.

Dosc.—For an adult, 16 gr. to § gr. or 1 gr.

Pulvis Elaterii Compositus.

Elaterium 10 grs., sugar of milk 90 grs.

Action.—As above.

Dose.—For an adult, & to 5 grs.

Too powerful for children.

ELEMI. A concrete resinous exudation, probably from Canarium commune.

Action.—It is only used externally as a rubefacient and stimulant.

Unguentum Elemi.
Composed of Elemi 2 oz., simple ointment 1 oz.
Action.—As above.

EBGOTA. The selerotium (compact mycelium or spawn) of Claviceps purpursa, *Tulame*, produced within the pales of the common rye, Secale cereale. Ergot or Spurred Rye.

Action.—A tonic or excitant of involuntary muscular fibre, and especially of that of the uterus. Hamostatic from its action on the unstriped muscular cost of gravieries; hence useful in hamostages from the uterus, lungs, kidneys.

Dosc.—10 to 20 grs.; or for labour, 30 to 50 grs.

Ergotine.
The active principle of ergot.
Action.—As above.
Dosc.—For an adult, 1 or 2 to 5 grs.
Sugar-coated pills of Ergotine are made and sold by
Roberts of New Bond Street and Paris, and are
very useful in various forms of hæmorrhage.

Extractum Ergotæ Liquidum.
This is an ethereal and aquo-spirituous extract; 1 fl.oz. of which equals 1 oz. of the powdered ergot.

Action.—As above.

Dosc.—For an adult, mx to mxxx or f3j.

Infusum Ergotæ.
Composed of ergot ‡ oz., boiling water 10 fl.oz.
Action.—As above.
Dosc.—For an adult, f3j to f3ij or more.

Oleum Ergotæ.

Action.—As above.

Dose.—mx to mxx or mxxx for labour.

Tinctura Ergotse.
Composed of ergot 5 oz., proof spirit 1 pint.
Action.—As above.
Dose.—For an adult, mx to mxxx or f3j.

Tincture Ergote Ætheres.
Composed of ergot 4 oz., ether 4 fl.es.
Assion.—As above.
Doss.—For an adult, mx to mxxx.

#### ERUCA BATIVA.

Culpepper speaks of the seeds of this plant as having special galactagogue properties.

FARINA TRITICI. The grain of wheat, Triticum vulgare. Used in making the Cataplasma Fermenti. See CEREVISIÆ FERMENTUM.

FEL BOVINUM PURIFICATUM. The purified gall of Bos Taurus. Purified ox Bile. Action .- As a tonic and gentle aperient where consti-

pation is associated with deficiency of bile. Dose. - For an adult, 2 to 5 or 10 grs.

FERRUM. The preparations of iron are ordered to be made from annealed iron wire, as being the purest form. Fe. Eq. 28.

Action .- Iron is generally given in combination, and then its properties vary accordingly. In the simple Ferrum reductum it acts merely as a chalybeate—in

the acid forms it is powerfully astringent also.

Incompatibles .- All the preparations of iron are incompatible with astringent vegetable infusions and their tinctures. Acids and acidulous salts decompose the saccharated carbonate, the mixture," the ammoniocitrate, the iodide, the peroxide, the phosphate, and the tartrate. Alkalis and their carbonates decompose the tinoture, the sulphates, the pernitrate, and the sodide. The best time for the administration of all preparations of iron is shortly after food.

Tinctura Ferri Acetatis. Fe<sub>2</sub>O<sub>2</sub>3 C<sub>4</sub>H<sub>2</sub>O<sub>2</sub>.

Prepared by the action of acetate of potash on persulphate of iron, and then mixing with rectified spirit.

Action.—Tonic. An agreeable form of administration.

Dose.—For an adult, max to maxx.

Incompatibles.—See Ferrum.

Liquor Ferri Peracetatis.

A solution of peroxide of iron in acetic acid.

Action.—A most valuable chalybeate astringent.

Dose.—For an adult. mx to mxxx.

For a child a year old, miij.

Liquor Ferri Peracetatis Ætherea.

A solution of the peracetate of iwn in ether.

Action.—Stimulant tonic and chalybeate. Recommended by Dr. Waters in pulmonary emphysema and bronchitis.

Dose.—For an adult, mx to mxxx.

Tinctura Ferri Ammonio Chloridi. Ph. Lond.
Composed of ferri ammonio chloridum 4 oz., proof
spirit 1\*pint, water 1 pint.
Action.—As above.
Dose.—For an adult, mxv to fi3ss.

Incompatibles.—See FERRUM.
Ferri et Ammoniæ Citras.

Prepared first by mixing solutions of persulphate of iron and ammonta, then to the hydrated peroxide adding a solution of citric acid; and lastly, neutralizing with solution of ammonia. Fe<sub>2</sub>O<sub>2</sub>, NH<sub>4</sub>O<sub>1</sub>HO, Cl<sub>2</sub>H<sub>2</sub>O<sub>1</sub>Z HO. Action and Incompatibles.—See Ferrum. Not at all astringent. A very delicate preparation.

Dose.—For an adult, 5 to 15 grs.

For a child a year old, † gr.

## Ferri Arsenias. Vide Preparations of Arsenicum.

Syrupus Ferri Bromidum.

Prepared by heating together iron filings and bromine, and subsequently dissolving in syrup. FeBr. Action—Alterative; resolvent; allied to the iodide, but said to be especially useful in uterine enlargements, also in some chronic cases of ovaritis.

Dose.—For an adult, 13ss. to 13ij; of the salt, 1 to 3 grs.

Syrupus Ferri et Strychniæ Bromidi.

Action.—As above. A valuable tonic and alterative.

Dose.—For an adult, f3j to f3ij.

Ferri Carbonas Saccharata.

Prepared by first mixing solutions of sulphate of iron with carbonate of soda, and rubbing sugar with the resulting carbonate of iron. FcO,CO,

Action.—This is one of the most valuable preparations of iron, from the fact of the iron being chiefly in the state of protoxide. See Ferrum for Incompatibles.

Dos.—For an adult, 5 to 10 grs.

Pilula Ferri Carbonatis.

Composed of saccharated carbonate of iron 1 oz., confection of roses 1 oz.

Action.—Touic; emmenagogue; chalybeate.

Dosc.—For an adult, 5 to 10 grs.

Mistura Ferri Aromatica.

Composed of pale cinchona 1 cs., calumba 4 cs., cloves 4 cs., fron wire 4 cs., cempound tincture of

cardaments 8 fl.oz., tincture of orange-peel 1 fl.oz., peppermint-water q. s. to make 121 fl.oz.

Action.—Aromatic chalybeate tonic.

Dosc.—For an adult. f3; to f3;;.

Mistura Ferri Composita.

Prepared by mixing myrrh 60 grs., carbonate of potash 30 grs., sugar 60 grs., spirit of nutmeg 4 fl.drs., and to this adding a solution of sulphate of iron 25 grs., in 9\frac{1}{2} fl.oz. of rose-water.

Action.-Tonic; emmenagogue; chalybeate.

Dose.-For an adult, f31 to f3ij.

For a child a year old, f3ss. to f3j. Incompatibles.—See Ferrum.

Ferri Citras.

Prepared by acting on iron filings with citric acid. Action.—It is not astringent, and forms a very delicate tonic and chalybeate preparation.

Dose.—For an adult, 3 to 10 or 15 grs.

For a child a year old, \(\frac{1}{2}\) gr.
For Incompatibles, see FERRUM.

Ferri Citras Effervescens.

A compound of citro-tartrate of soda with citrate of iron; 3 grs. of the latter in 60 grs.

Action.—As above.

Dose.—For an adult, 60 to 120 grs.

Incompatibles.—See FERRUM.

Ferri et Cinchoniæ Citras Effervescens.

This is a compound of citro-tartrate of soda with cinchonine and iron; it contains 1½ gr. of the former, with 1 of the latter to every 60 grs. of the sait.

Action, Dose, and Incompatibles.—As above.

In addition to these there are Perri Carbonas Effer-

vescess and Ferri Iodidi Effervescess, containing respectively 2 grs. and 1 gr. of the iron salt in 60 grs. These are all very elegant preparations of the granular effervescing salts, and are well adapted to the more delicate constitutions.

Ferri et Quiniæ Citras.

Action.—Tonic; antiperiodic; chalybeate. Not astringent; a very valuable preparation.

Dose.—For an adult, 5 to 10 grains.

Five grains should contain 1 grain of quinine.

Incompatibles.—See FERRUM.

Ferri et Quiniæ Citras Effervescens. A compound of the ferri quiniæ citras, with granular effervescing citro-tartrate of sods. It contains 3 grs. of the compound iron salt in 60 grs. Action and Incompatibles.—As above.

Dose.—For an adult, 60 to 120 grs.

Ferri et Strychniæ Citras.

A cambination of the citrate of iron, strychnia, and citric acid, with about 1 per cent of the alkaloid.

Five grains contain the  $\frac{1}{4\pi}$  of a grain of strychnia.

Action.—Tonic; useful in cases of nervous debility.

Dose.—For an adult, 2 to 5 or 10 grs.

Incompatibles.—See FERRUM.

Vinum Ferri Citratis.
Composed of citrate of iron and ammonia 160 grs., orange wine 1 pint.

Action.—Chalybeate tonic.
Dose.—For an adult, 15j to 15ss.

For a child a year old, mx to mxv.

Ferri Iodidum.

Prepared by bolling iron and iodine in water. Fel. Action.—Combining the properties of iron and isdine, it is a valuable preparation in cases where these ingredients are required. It contains 1 gr. of iron to 4 or 5 of iodine.

Dose. - For an adult, 1 gr. to 5 grs.

Incompatibles.—Acids, acidulous salts, alkalis, and vegetable astringents?

Pilula Ferri Iodidi.

Composed of iron wire 40 grs, iodine 80 grs., sugar 70 grs., liquorice root 140 grs., water 50 minims. Action.—As above. Contains 1 gr. of the iodide in 3 grs. Doss.—For an adult, 3 to 8 or 10 grs.

Syrupus Ferri Iodidi.

Prepared by first digesting iron and iodine together and subsequently adding the syrup. The sp. gr. should be 1.385. This is nearly twice the strength of the preparation of the Ph. Lond., and contains about 4.3 grs. of the crystallized iodide in a fluid drm.

Action.—As above.

Dose.—For an adult, mxx to f3j.

For a child a year old, mij to mv.

Incompatibles.—See FERRUM.

Ferri Lactas.

A solution of metallic iron in dilute lactic acid.

Action.—A delicate chalybeate in cases of enfeebled digration.

Doze.—For an adult, 2 to 5 grs. Sugar-coated pills of the lactate of iron, as approved by the Academy of Medicins of Paris, are sold by Roberts, of New Bond Street and Paris. Dose, two, three times a day.

Ferri Oxidum Magneticum. Fe<sub>2</sub>O<sub>r</sub>.

A mixture of peroxide and protoxide of iron.

Action.—Chalybeate tonic; same as Ferrum Redactum.

Dose.—For an adult, 3 to 5 or 10 grs.

Incompatibles.—See FERRUM.

A soluble saccharated oxide of iron (Chauteaud's) is
largely prescribed in France for cases of anemia, chlo-

rosis, &c. Dose, two to four teaspoonfuls daily.

Ferri Peroxidum Humidum.

Prepared by the reaction of solutions of soda and persulphate of iron.

Dose.—For an adult, 1 oz. to 7 oz.

Used as an antidote to arsenical poisoning.
 Ferri Peroxidum Hydratum. (Ferri Sesquioxydum. Ph. Lond.) Fe<sub>2</sub>O<sub>3</sub>, HO.

Prepared by heating the moist peroxide.

Action.—Toniq; chalybeate.

Dose.—For an adult, 5 to 30 grs.

This preparation, recently made, is used in large quan-

tities as an antidote to arsenical poisoning.

Emplastrum Ferri.
Composed of hydrated peroxide of iron 1 cs., Burgundy pitch 2 cz., lead plaster 8 cz.
Action.—Tonic; supporting.

Liquor Ferri Perchloridi. Fe<sub>2</sub>Cl<sub>2</sub>.
Prepared by adding 15 fl.oz. of distilled water to 5 fl.os. of the Liquor Ferri Perchloridi Fortior.

Action.—Powerfully astringent; tonic.

Doss.—For an adult, Mx to Mxxx.

Juognatibles.—See Ferrum.

This is & the strength of that in the B.P. 1864.

Liquor Ferri Perchloridi Fortior.

Prepared by first acting on iron wire with dilute hydrochloric acid, and subsequently adding dilute nitric acid.

Action.—Powerfully astringent. Seldom used except as a lotion. A good hamostatic.

Dose. -For an adult, miv to mviij.

Incompatibles .- See FERBUM.

Tinctura Ferri Perchloridi. (Tinctura Ferri Sesquichloridi vel Muriatis. Ph. Lond.)

A mixture of the strong solution of perchloride of iron 5 fl.oz. in rectified spirit 15 fl.oz. It is about one-third the strength of the old Dublin tincture. Bo. gr. 0.992.

Action. -Tonic ; astringent ; diuretic.

Dose. - For an adult, mx to mxxx.

For a child a year old, mij.

Incompatibles. - See FERRUM.

Liquor Ferri Pernitratis. Fe<sub>2</sub>O<sub>6</sub>3 NO<sub>6</sub>. Prepared by acting on iron wire with nitric acid. Action.—Astringent and tonio. Dosc.—For an adult, mx to mxl. Incompatibles.—See Ferrum.

Ferri Phosphas.

Prepared by mixing a solution of sulphate of fron with one of phosphate and acetate of soda. 3 FeO, PO, Dosc.—For an adult, 3 to 5 or 10 grs.

Action.—Nervine tonic. Recommended for rachitis; also for amenorrhose due to general debility.

Incompatibles.—See FREEUM.

Syrupus Ferri Phosphatis.

Prepared by adding to the well-washed precipitated phosphate, prepared as above, some dilute phosphoric acid; and lastly, sugar. 224 grs. of the original sulphate of iron are contained in 8 fl.oz. of the syrup, or about I gr. of the phosphate in the drachm.

Action.—Tonic. Useful in rachitis. Emmenagogue.

Dose.—For an adult, 15j to 15ij.

For a child a year old, my to mx or mxx.

Syrupus Ferri Phosphatis Compositus.

A compound of the phosphate of iron and lime in syrup with potash and soda, called Chemical Food. Originally invented by Mr. Parrish, of Philadelphia, whose preparation is superior to any made in this country. It contains in each fluid drachm phosphate of iron 1 gr., phosphate of lime 2½ grs. Action.—Tonic; alterative. It is a most valuable preparation, especially for children, in rickets, &c. Dose.—For an adult, f3ij to f3ss.

For a child a year old, mx to mxx.

Ferri et Sodæ Pyrophosphas. An exceedingly elegant and delicate preparation. Dosc.—For an adult, 5 to 10 grs.

Syrupus Ferri et Quinæ et Strychnæ Phosphatis. (Easton's Syrup.)
One fluid drachm contains 1 gr. phosphate of iron, 1 gr. phosphate of quinine, and als gr. of strychnia.

Action.—An admirable tonic.

Desc.-For an adult, f3j.

Ferri Sulphas.

Prepared by setting on iron wire with dilute sulphurio soid. FeO.SO..7HO.

Ferri Sulphas Exsiccata.

Prepared by exposing the sulphate to heat,
FeO, SO, HO.

Ferri Sulphas Granulata.

Prepared by the action of sulphuric acid on iron, and subsequent crystallization in rectified spirit. FeOSO.7 HO.

Action.—All the sulphates are astringent, as well as powerfully tonic, antiperiodic, anthelmintic, and emmenagogue. They are apt to irritate the stomach.

Dose.—For an adult, of the dried preparation, \(\frac{1}{2}\) gr. to 2 grs.; of the others, 1 to 3 or 4 grs.

Incompatibles.—See FERRUM.

## Ferri Tannas.

A combination of tannic acid and peroxide of iron.

Action.—Tonic; said to be especially useful in chlorosis.

Dose.—For an adult, 3 to 5 or 10 grs.

Incompatibles.—See FERRUM.

Ferri Valerianas. Ph. Dub.

Prepared by the action of valerianate of soda on sulphate of iron. Fe<sub>2</sub>O<sub>2</sub>, 3 C<sub>10</sub>H<sub>2</sub>O<sub>2</sub>.

Action.—Tonic; antispasmodic. Useful in hysteria.

Dose.—For an adult, 2 to 4 grs. in pill.

# Vinum Ferri.

A solution of iron in sherry. It contains 1 gr. in a fluid drachm.

"Action.—Mild chalybeate tonic.

Dose.—For an adult, f3ss. to f3j.

For a child a year old, f3ss.

Incompatibles .- See FERRUM.

Ferrum Redactum.

Prepared by reducing peroxide of iron with hydrogen. Action.—Chalybeate; tonic; emmenagogue.

Dose.—For an adult, 2 to 5 grs. in powder or pill with glycerine; is best taken immediately after food.

Trochisci Ferri Redacti.

Composed of reduced iron 720 grs., sugar 25 oz., gum acacis 1 oz., mucilage of gum acacis 2 fl.oz., water 1 fl.oz., or q. s. Divide into 720 lozenges, each of which will contain 1 gr. of reduced iron.

Doec.—For an adult, 1 to 6 lozenges.

Ferrum Tartaratum. (Ferri Potassio Tartras. Ph. Lond.) Fe<sub>2</sub>O<sub>3</sub>, KO, C<sub>3</sub>H<sub>4</sub>O<sub>10</sub>, HO.

Prepared by mixing a solution of persulphate of iron with one of ammonia, and after washing the precipitate, adding it to a solution of acid tartrate of potash.

Action.—Gently astringent, but not incompatible with alkalis. It is a delicate tonic and chalybeate.

Dose .- For an adult, 5 to 10 grs.

For a child a year old, 1 gr. to 2 grs. Incompatibles.—See Feurum.

FICUS. The dried fruit of Ficus carica. The common Fig.

Action.—Mildly aperient and demulcent. Used in making Confectio Sennæ.

FILE MAS. The dried rhizome of Aspidium Filix mas. Male Fern.

Action.—Used chiefly as an anthelmintic for teenia solium.

Dose.—For an adult, 50 to 100 grs. Seldom used in this form, but in the following:—

Extractum Filicis Liquidum. (Oleum Filicis Maris.)

An ethereal extract of the root.

Action .- Anthelmintic.

Dose.—For an adult, f3ss. to f3j or f3ij. Best given in emulsion flavoured with some mint water. It should be administered fasting, and followed by a purgative.

Mel Filicis Maris.

Composed of the liquid extract 30 drops, honey in floz. This is a very agreeable mode of exhibition.

Action. As above.

FENICULI FRUCTUS. The fruit of Fœniculum dulce. Sweet Fennel.

Aqua Fœniculi.

Fennel fruit 1 lb., water 2 gallons, distil 1 gallon. Action.—Aromatic and carminative; stimulant.

Dose .- - For an adult, f3i to f3iij.

For a child a year old, f3j to f3ij.

Oleum Fæniculi.

Action .- As above.

Dose.—For an adult, miv to mx, on sugar or in emulsion.

GALBANUM. A gum resin derived from an unascertained umbelliferous plant.

Action. - Antispasmodic; stimulant; expectorant.

Emplastrum Galbani.

Galbanum, ammoniac, yellow wax, of each 1 oz., lead plastes 8 oz.

The old Pilula Galbani Composita, Ph. Lond., is now known under the name of Pilula Assafestide Composita, which see. GALIUM ALBUM. The wild Rosemary.

Action.—This drug has been a good deal vaunted as a remedy for epilepsy.

Dose.—For an adult, f3:j to f3iv of the expressed juice.

GALLA. Galls. The excrescences on Querous infectoria caused by the punctures and deposited ova of Diplolepis Gallæ tinctoriæ.

Acidum Gallicum. 3 HO, C<sub>14</sub>H<sub>8</sub>O<sub>7</sub>, 2 HO. A crystalline acid prepared from lixiviating galls. Action.—Astringent to mucous and bleeding surfaces. Useful in profuse sweating and in pyrosis. Given internally, it is supposed to be converted into tannic acid.

Dose.—For an adult, 2 to 10 or 20 grs., requiring no less than 100 parts of water for its solution.

Incompatibles.—The mineral acids and preparations o iron, lead, sulphate of copper, nitrate of silver, alkaline carbonates, opium, ipecacuanha, and infusions of bark and calumba.

Glycerinum Acidi Gallici.
Composed of gallic acid 1 oz., glycerine 4 fl.oz. Each fl.dr. contains about 14 grs. of gallic acid.
Action and Incompatibles.—As above.
Doss.—For an adult, mx to mxxx or f5j.

Infusum Galle.
Composed of galls 240 grs., water 6 fl.os.
Action and Incompatibles.—As above. Very useful
as a local astringent application. 1 fl.oz. = 40 grs.

Doss.—For an adult, 13j to 13ss.

Tinctura Gallæ.

Composed of galls 24 oz., proof spirit 1 pint. Action and Incompatibles.—As affect. Dose.—For an adult, 13ss. to 13ij.

For a child a year old, mij.

Unguentum Gallæ.

Composed of galls 80 grs., benzoated lard 1 oz. Action.—Astringent. Useful in hemorrhoids.

Unguentum Gallæ cum Opii. (Ung. Gallæ Comp. Ph. Lond.)

Composed of ointment of galls 1 oz., opium 32 grs. (4 grs. of opium in the drm.)

Action.—Astringent; anodyne. Useful in painful hemorrhoids.

Acidum Tannicum.

An acid extracted from galls by lixivistion in ether and exposure to the sir.  $C_{54}H_{32}O_{34}$ .

Action.—Astringent; styptic. Used chiefly as a topical application; 60 grs. in half a pint of water makes a useful gargle in relaxed sore throat; also, as a lotion, to check mucous discharges.

Dose.—For an adult, 2 to 10 grs.

Incompatibles.—The persalts of iron, salts of antimony, lead, silver, mineral acids, alkalies, gelatine, emulsions, and the vegetable alkaloids.

Glycerinum Acidi Tannici.

Composed of tannic seid 1 cs., glycerine 4 fl.oz. Action and Incompatibles.—As above.

Dose. For an adult, we to ware.

Suppositoria Acidi Tannici.

Composed of tannic acid 36 grs., benzoated lard 44 grs., white wax 10 grs., oil of theobroma 90 grs. Divide in 12 equal parts of 15 grs., each of which con-

tains 8 grs. of tannic acid.

Action .- Astringent to bleeding or mucous surfaces. Useful in leucorrheea and menorrhagia, but contain hardly sufficient of tannic acid, 2 or 3 may, however, be used at once.

The above was in the last edition of the Pharmacopæia;

in the present the following is added :-

Suppositoria Acidi Tannici cum Sapone.

Tannic acid 36 grs., glycerine of starch 50 grs., curd scap 100 grs., starch q. s. Make a mass, and divide into 12 parts.

Action.—As above.

Trochisci Acidi Tannici.

Composed of tannic acid 360 grs., tineture of tolu & oz., refined sugar 25 oz., gum acacia 1 oz., mucilage acacia 2 oz., distilled water 1 oz. Divide into 720 lozenges. Each contains & gr. tannic acid. Action .- Astringent. Useful in relexed throat.

Dosc.—1 to 6 lozenges.

GAULTHERIA PROCUMBRES. Mountain Tea. The leaves as an infusion, or the oil are used. One ounce of the latter has proved fatal. Action .- Aromatic; stimulant; astringent; emmenagogue, and galactagogue.

GELSEMIN. The active principle of Gelsimium sempervirens.

Action .- Tonic , anodyne ; sedative. Useful in . cases of neuralgia and nervous headaches. Dose. - For an adult, i gr. to 2 grs.

GENTIANE RADIX. The dried root of Gentiana Lutea. Gentian.

Action.—Bitter tonic, with very little astringency but some aroma.

Dose.—Of the dried powder for an adult, 10 to 30 grs.

Dose.—Of the dried powder for an adult, 10 to 30 grs. Incompatibles.—Preparations of iron, lead, and silver.

Extractum Gentianæ.

A watery extract.

Action.—Aromatic, and slightly astringent bitter tonic. Useful in atonic dyspepsia.

Dose. - For an adult, 2 to 5 or 10 grs.

Incompatibles.—The salts and preparations of iron.

Infusum Gentianæ Compositum.

Gentian and bitter orange peel, of each 60 grs., fresh lemon peel 1 oz., water 10 fl.oz.

Action.—Tonic and stomachic.

Dose.—For an adult, f3j to f3ij.

Incompatibles. - As above.

Mistura Gentianæ. Infusum Gentianæ Comp., B.P. 1864.

Composed of gentian 4 oz., bitter orange-peel 30 grs., coriander 30 grs., proof spirit 2 fl.oz., water 8 fl.oz. Action and Incompatibles.—As above.

Dose.—For an adult, 13ss. to 13i.

For a child a year old, 13ss.

Tinctura Gentianæ Composita.

Gentian 1 oz , bitter orange-peel a oz., cardarnoms

doz., proof spirit 1 pint.

Dosc. - For an adult, f3ss. to f3ij.

For a child a year old, my to mx.

Vinum Gentiana. Ph. Edin.

Composed of gentian & oz, yellow bark 1 ez., bitter orange-peel 120 grs., cansila 1 oz., proof spirit 44 fl.oz. sherry 36 fl.oz.

Action .- Stomachio: tonic.

Dose. - For an adult, f3ss. to f3j.

For a child a year old, mx to mxx.

**GEUM.** The root of Geum urbanum. Common avens. Ph. Dub.

Action .- Aromatic ; astringent ; topic.

Dose. —Of the powder for an adult, 30 to 60 grs.

Decoctum Gei Urbani.

Composed of common avens 2 or., water 1 pint. Action — This is said to be very efficacious in the diarrhea of children, and is an agreeable satringent bitter.

Dose -For an adult, f3j to f3ij.

For a child a year old, f3j.

GLYCERINUM. Glycerine. A sweet principle obtained from fats and fixed oils, and containing a small per centage of water. Sp. gr. 1-25. C. H<sub>2</sub>O<sub>5</sub>. Action.—Slightly nutrient: demulcent. Has been recommended in the place of cod-liver oil, but is inferior. Is useful in sweetening medicines, and in softening such as the tincture of perchleride of iron. Is also useful as an emollient application in some skin disease.

Dose.—For an adult, mxx to f5j to f5tj, or upwards.

For a child a year old, my to mx, or more.

Glycerinum Acidi Carbolici.

Composed of carbolic acid 1 oz., glycerine 4 fl.oz. This is the most convenient mode of keeping the soid in a liquid form.

Action. - Disinfectant, allied to creasots.

Glycerinum Acidi Gallici.
Composed of gallic acid 1 oz., glycerine 4 fl.oz.
Action.—Astringent; styptic. A convenient form for the administration of gallic acid.
Dose.—For an adult, mx to mxxx or f3j.
Incompatibles.—The preparations of iron and alkalis.

Glycerinum Acidi Tannici.
Composed of tannic acid 1 oz., glycerine 4 fl.oz.
Action.—Astringent; styptic. An agreeable form for the exhibition of tannic acid.
Dosc.—For an adult, mx to mxxx.
Incompatibles.—The preparations of iron and alkalis.

Glycerinum Amyli. Composed of starch 1 oz., glycerine 8 fl.oz. Action.—Emollient and protective.

Glycerinum Boracis.
Composed of borax 1 oz., glycerine 4 fl.oz.
Action.—Detergent, for external or local use.

The three following preparations of glycerine are extracted from Mr. Squire's work on the *Phârma* copæia:—

Glycerine Ointment.

Composed of glycerine 8 parts, white wax 1 part, oil of almonds 16 parts.

Action. — Useful for chilblairs, excoriations, cracked nipples, &c.

Glycerine Cream.

Composed of glycerine 1 part, soft soap 1 part, cherry-laurel water 1 part.

Action.—Useful for the same purpose as the preceding.

Glycerine Cream and Camphor.

Composed of glycerine 2 parts, camphor 1 part, rectified spirit 1 part.

Action.—The same as the preceding, but more stimulating.

GLYCYRRHIZE RADIX. The root or underground stem of Glycyrrhiza glabra. Liquorice Plant.

Decoctum Glycyrrhizæ.

Composed of  $1\frac{1}{4}$  oz. of the root to a pint of water. Action.—Demulcent, especially to the bronchial mucous membrane.

Dose.—Ad libitum. A good domestic remedy.

Extractum Glycyrrhize.

A watery extract of the root, evaporated to a proper consistence.

Action.—As above. Useful in pulmonary affections.

Dosc.—Ad libitum.

Extractum Glycyrrhizæ Liquidum.

A watery extract of sp. gr. 1.160, to which is added a of its volume of rectified spirit.

Action. - Demulcent.

Dose.—For an adult, 13j.

Pulvis Glycyrrhizæ Compositus.

Senna, liquorice root, of each 2 oz., refined supar 6 oz. Action.—Demulcent; aperient.

Dose.—For an adult, 30 to 60 grs.

For a child a year old, 2 to 5 grs.

GOSSYPIUM. (Cotton wool) The hairs of the seeds of various species of Gossypium. Used in the manufacture of pyroxylin. A good dressing for burns and irritable sores. At the suggestion of Dr. Greenhalgh, Messra. Bell and Co., Oxford-street, have prepared some "Medicated Cotton" in \(\frac{1}{2}\)-dr. pledgets, containing definite quantities of such drugs as iodine, atropine, matico, tannin, morphia, &c., for the local treatment of uterine affections.

GRANATI RADICIS CORTEX. The bark of the root of Puvica Granatum. Pomegranate.

Action.—Anthelmintic, especially for the temia solium.

Decoctum Granati Radicis.

Pomegranate root 2 oz., water 2 pints, boiled to 1 pint.

Action .- Anthelmintic and astringent.

Dose.—For an adult, 15iij to 15vi, repeated 2 or 8 times, at intervals of an hour, and followed by a purgative; is an admirable remedy for tapeworm.

For a child a year old, f3j to f3ij, or more.

GUAIACI LIGNUM. The wood of Guaiscum officinale.

Used only in the preparation of Decoct. Sarses Co.

GUAIACI RESINA. The resin optained from the stem of the Guaiacum officinale.

Action.—Slightly stimulant, diaphoretic, and alterative. Given only in the form of Mistura.

Accompatibles.—The preparations of guaiacum are incompatible with acids, acadulous, earthy, and metallic saits. Water precipitates the resin contained in all the preparations of guaiacum; they should, therefore be given in emulsion of tragacanth. Mistara Guaiaci.

Composed of guaiac resin & oz., sugar & oz., gum acacia i oz., cinnamon-water 1 pint Action and Incompatibles. - As above. Useful in some forms of chronic rheumatism. Dose. - For an adult, fiss, to Kii.

Tinctura Guaiaci Ammoniata. (Tinctura Guaiaci Composita. Ph. Lond.) Guaiacum 4 oz., aromatic spirit of ammonia 1 pint. Action .- As above. Dose. - For an adult, f3ss, to f3i.

For a child a year old, mv.

#### GUARANA.

Action.—This medicine has lately been very strongly recommended for cases of sick headache, neuralgia, kc.

Dose. - For an adult, 30 grs., repeated every two hours till relief is obtained.

RUBRUM. An exudation from the bark of Eucalyptus rostrata. Action .- Astringent. Has been recommended by Sir Ranald Martin as a valuable remedy in dysenterv. &c. Useful also in diarrhosa. Dose. - For an adult, 5 to 20 grs.

Syrupus Gummi Rubrum. Contains 2 drachms to the ounce of syrup. Action. - As above. Dose.—For an adult, f3ss. to f3ii. For a child a year old, my to mx.

Similar in action to the foregoing is the follow-

CEDRON. . The seeds of Simiba Cedron.

Action.—A powerful bitter tonic. It has also a great repute in South America for the cure of snake bites.

Dose.—For an adult, 2 to 5 grs., in some hot spirituous drink. The bites should also be sponged with the tincture.

HEMATOXYLI LIGNUM. The heart wood of Hæma-

toxylum Campechianum. Logwood.

Action. - Astringent to mucous or bleeding surfaces.

Dose.—Of the powder for an adult, 10 to 30 grs.

For a child a year old, 2 to 3 grs.

Incompatibles.—Alkalis; alkaline earths; the salts, &c.,

Incompatibles.—Alkalis; alkaline earths; the salts, &c., of iron, and other metallic preparations.

Decoctum Hæmatoxyli.

Logwood in chips 1 oz., cinnamon 60 grs., water 1 pint. Action and Incompatibles.—As above. Very useful in mucous diarrhesa.

Dose.—For an adult, f3j to f3j.

For a child a year old, f3j.

Extractum Hæmatoxyli.

Composed of logwood 1 lb., water 1 gallon, evaporated to a proper consistence.

Action. —Astringent.

Dose. - For an adult, 10 to 30 grs.

Liquor Hæmatoxyli Composita. (Dr. Budd.) This preparation is made by Savory and Moore, and is recommended as an extremely valuable because effective astringent in diarrhose, dysentery, &c. Dose.—For an adult, f5j in port wine, water, or brandy and water.

For a child a year old, mv.

**HELENIUM.** The dried root of Inula Helenium. Common Elecampane.

Mction.—A mild aromatic bitter tonic. Useful in cases of atonic dyspepsia.

Dose.—For an adult, 20 to 30 grs. of the powder.

Decoctum Helenii.

Composed of elecampane root ½ oz., water 1 pint.

Dose.—For an adult, f3j to f3ij.

For a child a year old, f3j.

**HELLEBORUS NIGER.** The rhizome. Black Hellebore.

Action.—Purgative, resembling colocynth.

Dose.—For an adult, 10 to 20 grs. of the powdered rhizofthe.

Tinctura Hellebori. (Ph. Lond.)
Black hellebore 5 oz., proof spirit 2 pints.
Action.—As above.
Does.—For an adult, f3ss. to f3j.

HEMIDESMI RADIX. The dried root of Hemidesmus Indicus. Country Sarsaparilla.

Action.—Diaphoretic; alterative; slightly diurctic.

This drug is new to the British Pharmacopaia. It is commonly known as Indian Sarsaparilla, and is said to possess the properties of ordinary sarsaparilla.

Syrupus Hemidesmi.
Hemidesmus 4 oz., sugar 28 oz., water 1 piut.

Action.—The same as Sarsaparilla, but chiefly useful
as a flavouring agent.

Dose.—For an adult, f3j to f3ij.

For a child a year old, my to mx.

Infusum Hemidesmi.
Composed of hemidesmus 2 oz., water 1 pint.

Dose.—For an adult, 13ij to 13iv.

For a child a year old, 13ij.

#### HIRUDO.

Sanguisuga officinalis (the green leech), and S. medicinalis (the speckled leech).

**HORDEUM.** The seeds of Hordeum distiction (Common or Pearl Barley), deprived of their husks.

Action.—Demulcent and diluent.

Decoctum Hordei.
Composed of pearl barley 2 oz., water 14 pint.
Action.—As above.
Doss.—Ad libitum.

Decoctim Hordei Compositum. Ph. Lond. Composed of decoction of pearl barley 2 pints., figs 2½ cz., liquorice root 300 grs., raisins 2½ cz.; boil. Action.—As above. Useful as a demulcent drink in bronchitis.

Doss.—Ad libitum.

HYDRARGYRUM. Hg. Eq. 100.

Action.—When given in the inetallic state, which it rerely is, it probably acts simply mechanically. The various preparations are alterative, cholagogue, or purgative, according to the dose and mode of exhibition. Externally it is also used as a local stimulant and alterative, or by inunction for its constitutional effects.

Emplastrum Hydrargyri.
Composed of mercury 3 oz., olive oil 1 fl.dr., sublimed\_
sulphur 8 grs., lead plaster 6 oz.
Action.—Alterative; resolvent.

Emplastrum Ammoniaci cum Hydrargyro.
Composed of ammoniacum 12 oz., mercury 3 oz., olive
oil 1 fl.dr., sublimed shlphur 8 grs.
Action.—Alterative; resolvent; stimulant.

Linimentum Hydrargyri.
Composed of ointment of mercury 1 oz., solution of ammonia and camphor liniment of each 1 fl.oz.
Action.—Alterative; rubefacient; resolvent.

Liquor Arsenici et Hydrargyri Hydriodatis. (Donovan's solution.)
This is a solution of the iodi-arsenite of mercury, each drm. of which contains the equivalent of \( \frac{1}{2} \) gr. of excensious acid, with \( \frac{1}{2} \) gr. of percurde of mercury and \( \frac{1}{2} \) gr. of iodine.

Action.—Alterative; especially valuable in chronic outaneous eruptions.

Dues.—For an adult. Illy to Maxx.

Pilula Hydrargyri.

Composed of mercury 2 oz., confection of roses 3 ez., liquorice root 1 oz.

Action.—Alterative in small, purgative in large doses.

Dose.—For an adult, 3 to 10 grs.

Suppositoria Hydrargyri.

Take of ointment of mercury 60 grs., benzoated lard and white wax, of each 20 grs., oil of theobroma 80 grs.; pour into moulds of 15 grs. each. Each suppository will contain 5 grs. of the ointment of mercury.

Action.—Alterative: resolvent.

Unguentum Hydrargyri.
Composed of mercury 1 lb., lard 1 lb., suet 1 oz.
Action.—Alterative; resolvent.

Unguentum Hydrargyri Compositum.

Composed of cintment of mercury 6 oz., yellow wax and clive oil, of each 8 oz., camphor 1½ oz.

Action.—Alterative; resolvent; stimulant.

Hydrargyri Bisulphuretum. (Cinnabar or Vermilion.) Ph. Lond. HgS.
Action.—Alterative, but is seldom used internally.
Dose.—For an adult, 5 to 10 grs.
Chiefly used for furnigating the nose, throat, &c.
30 grs. is the quantity generally used in this way.

Hydrargyri Iodidum Rubrum.

HgI. (Fermerly
Hydrargyri Biniodidum.)

Prepared by the action of iodide of potassium on perchioride of mercury.

Action.—Alterative in small doses; in large doses an irritant poison. Useful in obstinate syphilis. Dose.—For an adult,  $i_0^1$  gr to  $i_0^1$  gr. pill, but it is best given in solution with the iodide of potassium.

Unguentum Hydrargyri Iodidi Rubri.
Composed of red iodide of mercury 16 grs., simple ointment 1 oz. (About 1 the strength of that in the Ph. Dub.)
Action.—Alterative; resolvent. A good application

to bronchocele. Useful in syphilis.

Hydrargyri Iodidum Viride. Hg<sub>2</sub>I. (Formerly Hydrargyri Protoiodidum, now Subiodidum.) Prepared by the action of iodine on mercury. Action.—The same as the above, only milder and safer. Must not be combined with any preparation of iodine in a pill.

Dose.—For an adult, 1 gr. to 3 grs.

For a child a year old,  $\frac{1}{12}$  gr.

Liquor Hydrargyri Nitratis Acidus.

Mercury 4 oz., nitric acid 5 fl.oz., water 1½ fl.oz.

Action.—Caustic; for external use only.

Unguentum Hydrargyri Nitratis. (Ung. Citrinum. Ph. Edin.)
Composed of mercury 4 oz., nitric acid 12 fl.oz., lard 15 oz., olive oil 32 fl.oz.

Action.—Alterative and astringest.

Hydrargyri Oxidum Flavum.

Prepared by the action of solution of sods on perchloride of mercury.

Not used medicinally.

Hydrargyri Oxidum Rubrum. HgO. (Hysdrargyri Nitrico Oxidum. Ph. Lond.)

Prepared by the action of nitric acid on mercury.

Action.—Alterative in small, but violently irritative in large doses.

Dose. - For an adult, 1 gr. to 1 gr.

One grain to a drachm of lard forms a useful application to chronically inflamed eyelids.

Unguentum Hydrargyri Oxidi Rubri. Composed of red oxide of mercury 62 grs., yellow wax 1 oz., oil of almonds 1 oz. Action.—Alterative.

Hydrargyri Perchloridum. HgCl. (Hydrargyri Bichloridum. Ph. Lond.) Corrosive sublimate. Prepared by the action of chloride of sedium on sulphate of mercury, and subsequent sublimation with the black oxide of manganese.

Action.—Alterative; to be administered cautiously. Dose.—For an adult,  $\tau_{g}^{1}$  gr. to  $\frac{1}{6}$  gr. in pill or in solution with hydrochlorate of ammonia as under.

Liquor Hydrargyri Perchloridi.

Composed of perchloride of mercury and chloride of ammonium, of each 10 grs., water 1 pint.

Action.—Alterative; resolvent in hypertrophied conditions.

Dose.—For an adult, f3j to f3ij.

For a child a year old, my to mx.

A drachm of the solution contains  $\frac{1}{18}$  gr. of corresive sublimate.

Incompatibles.—Ammonia, potash, soda, and their carbonates, lime-water, the mineral acids, except the hydrochleric; tartar emetic; the acetates of lead; and infusions of bitter and astringent vegetables.

Lotio Hydrargyri Flava. (Yellow Wash.)
Perchloride of mercury 18 grs., lime-water 10 fl.oz.

Action.—Alterative; resolvent.

Hydrargyri Subchloridum. Hg<sub>2</sub>Cl. (Hydrargyri Chloridum. Ph. Lond.) Calomel.

Prepared by rubbing together mercury and sulphate of mercury, and then acting on the mass by chloride of sodium, the whole to be sublimed and washed.

Action.—Alterative; cholagogue; in large doses seda-

tive.

Dose.—For an adult, 1 gr. to 2 or 5 grs.

For a child a year old,  $\frac{1}{4}$  gr. to  $\frac{1}{2}$  gr. Incompatibles.—Ammonia, potash, soda, lime, and their carbonates, the salts of non, copper, and lead, the chlorides and

Lotio Hydrargyri Nigra. (Black Wash.) Subchloride of mercury 30 grs., lime-water 10 fl.og. Action.—Alterative; resolvent.

Pilula Hydrargyri Subchloridi Composita. (Plummer's Pill. Pil. Hyd. Chlor. Comp. Ph. Lond.)
Composed of subchloride of mercury 1 oz., sulphurated antimony 1 oz., guaiacum 2 oz., castor oil 1 fl.oz.
Action.—Alterative. It contains 1 grain of calomel in 5.
Dose.—For an adult, 3 to 10 grs.

Unguentum Hydrargyri Subchloridi. Subchloride of mercury 80 grs., lard 1 oz. Hydrargyrum Ammoniatum. NH<sub>2</sub>Hg<sub>2</sub>Cl.

Prepared by the action of solution of ammonia on perchloride of mercury, and used in making

Unguentum Hydrargyri Ammoniati. (Ung. Præcip. Alb. Ph. Edin.)
Ammoniated mercury 62 grs., simple ointment 1 oz.
Action.—Alterative. Useful in cases of chronic skin disease, also to destroy pediculi.

Hydrargyrum cum Cretâ.

Mercury 1 oz., prepared chalk 2 oz.

Action.—Alterative; cholagogue.

Dosc.—For an adult, 3 to 8 grs.

For a child a year old, 1 gr.

Incompatibles.—Acids and acidulous salts.

HYDROCOTYLE ASIATICA. Asiatic Pennywort. The powdered leaves only of the plant may be used, of which 8 grs. is the usual dose.

Action.—Tonic; alterative. Among Indian practitioners it has great repute as a remedy for leprosy, especially, according to Dr. Waring, for the anesthetic form of the disease. It is also very useful in secondary syphilitic affections.

HYDROGENII PEROXIDUM. HOg. Action.—Stimulant, from the excess of oxygen. Dose.—For an adult, f3j to f3ss.

HYOSCYAMI FOLIA. The fresh leaves and small branches of Hyosoyamus niger. Henbane. Acron.—Bedative, anodyne, and narcotic. Useful in cases of irritable bladder, and as a local application to painful ulcers.

Incomputibles.—Salts of lead, silver, caustic alkalis, and vegetable acids.

Extractum Hyoscyami.

The expressed juice of the fresh leaves and young branches evaporated to a proper consistence.

Action and Incompatibles.—As above.

Dose.—For an adult, 3 to 5 or 10 grs.

Succus Hyoscyami.

Action and Incompatibles.—As above.

Dose.—For an adult, Mx to Mxx or f3j.

Tinctura Hyoscyami.
The fresh leaves 2½ oz., proof spirit 1 pint.
Action.—Sedative; anodyne.
Dose.—For an adult, max to f3j.
For a child a year old, mij te mij or mv.
Incompatibles.—As above.

IODOFORM. C.HI..

Formed by mixing concentrated alcoholic solutions of iodine and potassa.

Action.—Alterative; Stimu'ant; tonic. Useful in sorofula and ohronic skin diseases. Has lately been recommended in the local treatment of cancer uteri. Dosc.—For an adult, 1 gr. to 2 grs. in pill.

Iodo Tannin.

Formed by triturating iodine, tannin, and water.

Action.—It combines the action of iodine and tannic acid. Is best given in the form of syrup, made so that each or. will contain 1 gr. of iodine.

Date.—For an adult, 7511 to 5ss.

**10DUM.** Formerly Iodinium. A non-metallic element obtained chiefly from the ashes of sea-weeds. I. Eq. 127.

Action.—Iodine exerts a special absorptive action on the lymphatic glands; hence it is an alterative and resolvent.

Dose.—For an adult, \(\frac{1}{2}\) gr. in pill freshly prepared. It is rarely used, on account of its irritating action on the stomach.

Incompatibles. — Metallic salts, mineral acids, the alkaloids.

Acidum Iodicum.

Prepared by holling iodine in nitric acid. IO<sub>s</sub>. Action.—Alterative; resolvent.

Dosc.—For an adult, 3 to 10 grs.

Acidum Hydriodicum. HI. Action.—Alterative and resolvent. Dose.—For an adult, f3j to f3ss.

For a child a year old, mv.

Dr. Buchanan introduced this medicine. He says it possesses all the therapeutical powers of iodine without its irritating properties.

Linimentum Iodi.

Iodine 11 oz., iodide of potassium 1 oz., camphor 2 oz., recuised spirit 10 fl.oz. (=1 of iodine in 9).

Action.—Stimulant, resolvent, and alterative.

Liquor Iodi.
Lotine 20 grs., iodide of potassium, 30 grs., distilled water I flox. (=1 of iodiue in 24).

Alterative; resolvent; rubefacient.

Tinctura Iodi. (Formerly Tinctura Iodinii Composits.)

A solution of iodine \( \) oz., iodide of potassium \( \) oz., rectified spirit 1 pint (=1 of iodine in 40).

Action.—Alterative; resolvent.

Dose.—For an adult, my to mx or mxx, in sherry. Incompatibles.—See above.

Unguentum Iodi.

Composed of iodine and iodide of potassium, of each \$2 grs., proof spirit 1 fl.dr., lard 2 oz. (1 in 30), Action.—Alterative: resolvent: irritant.

Vapor Iodi.

Take of tineture of iodine 1 fl.dr., water 1 fl.oz. Mix in a suitable apparatus, and, having applied a gentle heat, let the vapour that arises be inhaled.

Action.—Alterative; resolvent.

The following receipts for iodized baths are taken from Dr. Waring's admirable work on Therapeutics:—

### IODURETTED BATHS.

### Children.

Ago.	Water	Grains of	Grains of Iodide		
	Quarts.	lodine.	of Potassium.		
4 to 7	86	30 to 36	60 to 72		
7 ,, 11	75	48 60 72	96 120 144		
11 ,, 14	125	79 to 96	144 to 192		

A dulto

Degree.	Quarts of Water	Drachms of Iouine.		Drs. of Iodide of Potassium.			
1	200	2	to	21	4	to	5
2	240		21	3	4	5	6
3	300	3	to	31	6	to	7

IPECACUANHA. The dried root of Cephaëlis ipecacuanta. Ipecacuan.

Action. - Diaphoretic and expectorant; emetic in large doses. Useful in dysentery and dysenteric diarrhosa. Dose. - Of the powdered root for an adult, & gr. to

2 grs. as an expectorant; 15 to 30 grs. as an emetic.

For a child a year old, & gr. to & gr. as an emetic.

Pilula Ipecacuanhæ cum Scillâ.

Composed of compound powder of ipecacuan 3 oz., squill and ammoniacum, of each 1 oz., treacle q. s.

Action. - Expectorant : disphoretic.

Dose .- For an adult, 5 to 10 gis.

5 grains contain about 1 gr. of opium.

Pilula Ipecacuanhæ cum Opio. Ph. Edin. Composed of ipecacuan and opium powder 3 parts. conserve of roses 1 part.

Action .- Expectorant ; narcotic.

Dose. - For an adult, 5 to 15 grs.

Haif a grain of opium in about 6 grains of the pill.

Pulvis Ipecacuanhæ Compositus. Commonly known as "Dover's Powder."

Ipecacuau ½ cz., opium ½ cz., sulphate of potash 4 cz. Action.—Disphoretic; expectorant; anodyne; narcotic. 10 grams of the powder contain 1 of opium. Dose.—For an adult, 3 to 10 or 15 grs.

For a child a year old, & gr. to 1 gr.

Syrupus Ipecacuanhæ. Ph. Edin.
Ipecacuan I oz., rectified spirit 5 fl.oz., proof spirit and water, of each 3½ fl.oz, syrup 35 fl.oz. 40 minims contain about 1 grain of ipecacuan.
Action.—Expectorant; diaphoretic.
Dose.—For an adult, foj to foji.
For a child a year old, my to mx.

+ Trochisci Ipecacuanhæ.

Composed of ip-cacuan 180 grs., sugar 25 ez., gum acacia 1 ez., mucilage of gum acacia 2 fi.ez., water q.s. Divide into 720 lozenges, each of which will contain ½ gr. of ip-cacuan.

Date.—1 to 3 lozenges.

Trochisci Morphiæ et Ipecacuanhæ.

Composed of hydrochlorate of morphia 20 grs., ipecacuan 60 grs., tincture of tolu ½ fl.oz., sugar 24 oz., gum acacia 1 oz., mucilage of gum acacia q. s., water ½ fl.oz. Divide into 720 lozenges.

Each lozenge contains ½ of a gr. of hydrochlorate of morphia, and ½ of a grain of ipecacuan.

Action.—Anodyne; sedative; expectorant.

Dose .- 1 to 6 lozenges.

Vinum Ipecacuanhæ.

Emposed of ipecacuan 1 oz., sherry 1 pint.

Action .- Diaphoretic, expectorant; emetic.

Dose.—For an adult, wax to waxx as an expectorant; fijij to fijvj as an emetic.

For a child a year old, miij as an expectorant; mxx as an emetic.

#### IPOMÆA CÆRULEA.

Dr. O'Shaughnessy speaks very highly of the purgative action of this drug, the seeds of which are used? It occasions no pain, acts speedily, and then ceases, and has the great merit of being almost tasteless. May be given in the form of

Tinctura Ipomææ Cærulææ.

Composed of 8 oz of the seeds, proof spirit 2 pints. Dose.—For an adult, f3j to f3ij.

The dose of the alcoholic extract is 5 to 10 grs.

IRIDIN or IRISIN. The rhizome of the Iris versicolor. Blue Flag.

Action.—Cholagogue and anthelmintic, resembling blue pill.

Dose.—For an adult, 2 to 5 grs. of the extract in pill.

JALAPA. The dried tubercles of Exogonium purga.

Jalap.

Action.—Hydragogue cathartic. Useful in dropsy.

Dose.—Of the powdered tuber for an adult, 10 to
80 grs.

For a child a year old, 1 gr.

Extractum

Ap aquo-spirituous extract.

Action.—Purgative, produces copious watery stools.

Dose.—For an adult, 5 to 15 grs.

Fur a child a year old, & gr.

Jalapse Resina.

Action.—Powerfully purgative.

Dose.—For an adult, 2 to 5 grs.

Pulvis Jalapæ Compositus. (=1 in 3.)
Jalap 5 oz., acid tartrate of potash 9 oz., ginger 1 oz.
Action.—Hydragogue cathartic.
Dose.—For an adult, 10 to 40 or 60 grs.
For a child a year old, 1 gr.

Tinctura Jalapse.

Composed of jalap 2½ oz., proof spirit 1 pint.

3j of the tincture is equal to 3 grains of the extract.

Action.—Purgative.

Dose.—For an adult, 173s. to 13j.

For a child a year old, my to mx.

Jalapine.
A pure white resin, the active principle of jalap.
Action.—Purgative.
Dose.—For an adult, 2 to 4 grs.
It is thought by some to be a purer and more certain preparation than the Resina.

JUNIPERUS. The unripe fruit of Juniperus communis. Common Juniper.

Oleum Juniperi.

Action.—Diuretic principally, but also a camminative and stimulant.

Love.—For an adult, mj to mijj, or mv, in pill or emulsion.

Spiritus Juniperi. Oil of Juniper I fl.os., rectified spirit 49 fl.os. Action. - As above.

Dose .- For an adult, mx to mxxx, or f3j.

For a child a year old, mij to mv.

This preparation contains about 95 times as much oil of juniper as the Spiritus Juniperi, Ph. Lond.

**EAMALA.** The powder which adheres to the capsules of Rottlera tinctoria.

Action.—Authelmintic, especially against the tænia solium.

Dose.—For an adult, 30 to 120 grs. of the powder.

For a child a year old, 2 to 3 or 5 grs.

**KINO.** The inspissated juice of Pterocarpus marsupium. Kino.

Action.—Astringent. Useful in diarrhosa or other mucous or sanguineous discharges.

Dose. - For an adult, 10 to 30 grs.

Pulvis Kino Composita.

Composed of kino 3\(\frac{1}{2}\) oz., opium \(\frac{1}{2}\) oz., cinnamon 1 oz. Action.—Astringent: sedative.

Dosc.—For an adult, 5 to 10 grs. or upwards.

For a child a year old, 4 to 1 gr.

This preparation contains one grain of opium in twenty.

Tinctura Kino.

Composed of kino 2 oz., rectified spirit 1 pint.

Dose. - For an adult, mxxx to f3ij.

For a child a year old, mv.

Incompatibles.—The preparations of kine are incompatible with acids and alkalis, and with the salts of iron.

EOUSSO, KUSSO, or CUSSO. The flowers of Brayers -{

Infusum Kousso.

Cusso \( \text{oz.}, \) water \( 4 \) fl.oz.; boil for fifteen minutes. \( Action.\)—Anthelmiatic, principally for tenia solium. \( Dose.\)—For an adult, \( f \) ij to \( f \) iv or \( \f \) vj.

**ERAMERIÆ RADIX.** The dried root of Krameria triandra. Rhatany.

Action.—Astringent and tonic. Useful in cases of excessive nucous or sanguineous discharge, as distributed discharge, as distributed discharge, as distributed for the powdered root for an adult, 10 to

30 grs. For a child a year old, 1 to 3 grs.

Extractum Krameriæ.

A watery extract of rhatany.

Action.—Astringent.

Dose.—For an adult, 5 to 20 grs.

Infusum Krameriæ.
Composed of rhatany ½ oz., water 10 fl.oz.
Action.— As above.
Dose.—For an adult, f3j to f3ij.
For a child a year old, f3j.

Tinctura Kramerise.
Composed of rhatany 2½ oz., proof spirit 1 pint.
Action.—As above.

Dose.—For an adult, f3ss. to f3ij.
For a child a year old, mv.

Incompatibles.—The preparations of Krameria are incompatible with alkalis, mineral acids, and saits of iron.

LAC. The fresh milk of the cow, Bes taurus. Used in the preparation of Mistura Scammonii.

LACMUS. Litmus. The colouring matter of Roc cells tinctoris.

The tincture (1 oz to 10 fl.oz., proof spirit) is used for the preparation of blue litmus-paper as a test for acids.

LACTUCA. The flowering herb of Lactuca virosa.
The strong-scented Lettuce.

Extractum Lactucæ. The expressed juice.

Action.—Anodyne; narcotic, dispheretic, diuretic, and slightly aperient. It resembles, but is much inferior to the following preparation.

Dosc.—For an adult, 5 to 15 grs.

# LACTUCARIUM. Lettuce Opium.

Tinctura Lactucarii.

Composed of lactucarium 4 oz., proof spirit 2 pints Action.—Sedative, anodyne, and narcotic.

Dose.—For an adult, mx or mxx to f3es.

For a child a year old, mj to mij.

LAMINARIA SPIRALIS. The common Sea-Tangle.

Is used in the form of a tent for the purpose of dilating the os uteri or other excretory canal.

Laricis Cortex. The bark of Larix Europeaa.

This drug, which possesses astringent and stimulant properties, has been recommended by Dr. Headlam Greenhow in cases of profuse expectoration from chronic bronchitis. Tinctura Laricis.

Larch bark 24 oz., rectified spirit 1 pint.

Action.—Stimulating and astringent tonic.

Dose.—For an adult, mxx to f3ss.

LAUROCERASI FOLIA. The fresh leaves of Prunus. Laurocerasus. Cherry Laurel. Action.—Sedative, similar to, but weaker and less certain than, hydrocyanic acid.

Aqua Laurocerasi.

Laurel leaves 1 lb., water 21 pints; distil a pint.

Action.—As above. To be administered with caution.

Dose.—For an adult, my to foss.

LAVANDULA. The flowers of Lavandula vers.

Common lavender.

Action.—Stimulant; carminative; antispasmodic.

Oleum Lavandulæ.

Action.—Antispasmodic; carminative; stimulant.

Dose.—For an adult, milj to mv, in emulsion.

Spiritus Lavandulæ.

Oil of lavender 1 fl.oz., rectified spirit 49 fl.oz. Action.—As above.

Dose.—For an adult, mxx to mxxx or 13j.

For a child a year old, mij to mv.

Tinctura Lavandulæ Composita.

Composed of oil of lavender 14 fl.dr., oil of rosemary 10 minims, cinnamon 150 grs., nutneg 150 grs., red wood 800 grs., proof spirit 2 pints.

Dose. — For foss. to f3ij.

For a child a year old, mv.

LEPTANDRINE. The active principle of Leptandra Virginica.

Action.—A mild and agreeable aperient, having a special cholagogue action; and being a tonic to the stomach, it is useful in all cases where there is a deficiency of bile in the excretions.

Lose.—For an adult, 1 gr. to 2 grs. in pill 3 or 4 times a day.

LIMONIS CORTEX. The outer part of the rind of Citrus Limonum.

Action .- Aromatic tonic; and carminative.

Oleum Limonis.

Action.—As above; stimulant.

Dose.—For an adult, mij to mv, in pill or emulsjon.

Succus Limonis.

The expressed juice of the ripe fruit.

Action .- Refrigerant.

Dose.—For an adult, almost ad libitum. As much as a pint per day has been given in acute rheumatism.

Syrupus Limonis.

Lemon-peel 2 oz, lemon-juice 1 pint, sugar 24 lbs. Dose.—For an adult, f3ss. to f3ii.

For a child a year old, my to mx.

Tinctura Limonis.

Fresh lemon-peel 24 oz., proof spirit 1 pint.

Action.—Aromatic tonic; carminative; stimulant. Dosc.—For an adult, f3i to f3ii.

For a child a year old, my.

Incompatibles. - The mineral acids and lime-water.

LINUM. Linseed.

Lini Farina.

Cake of linseed from which the oil has been pressed, and reduced to powder.

Cataplasma Lini.

Linesed meal 4 oz., olive oil ½ fl.oz, boiling water 10 fl.oz.

Lini Semina. The seeds of Linum usitatissimum.

Infusum Lini. (Formerly Infusum Lini Comp.)
Linseed 160 grs., liquorice 60 grs., water 10 fl. oz.
Action.—Demulcent; diluent. Useful as a drink in catarrhal affections and inflammations of the mucous surfaces.
Dosc.—Ad libitum.

Oleum Lini.

"Used only for external application as an emollient.

LITHIA. The oxide of Lithium, LO. Eq. 15.

Lithim Carbonas. LO, CO.

Action.—Druretic; antacid. The lithia salts are especially useful in cases of gouty disthesis with lithic acid deposits, because the urate of lithia is soluble.

Dosc.—For an acult, 3 to 6 grs.

Lithize Citras. 3 LO, C, H,O,,.

Action.—As above, but more soluble than the Carbonate.

Dose,-For an adult, 5 to 10 grs.

Lithiæ Citras Effervescens.

Action-As above.

Dose. - For an adult, 60 to 120 grs.

It contains 2 gra, of lithia in 60 grs.

Liquor Lithiz Effervescens. Lithia water.

A solution of carbonate of lithia charged with carbonic acid. Ten oz. contain 5 grs. of carbonate of lithia.

Action.—Antacid. The preparations of lithia have been lately recommended for gout and rheumatism.

Dos.—For an adult, 5 to 10 fl.oz.

A similar preparation is sold under the name of the Granular Effervescing Carbonate of Lithia.

LOBELIA. The dried herb, Lobelia inflata, in flower. Indian Tobacco.

Tinctura Lobeliæ.

Composed of lobelia 2½ oz., proof spirit 1 pint. Action.—Antispasmodic, expectorant, diaphoretic, and emetic; in the last form it is a dangerous agent. Useful in spasmodic asthma, croup, and other pulmonary affections attended with difficult breathing. Dosc.—For an adult, mx to f3ss.

Tinctura Lobeliæ Ætheren.
Composed of lobelia 24 os., spirit of ether 1 pint.
Action.—Antispasmodic; expectorant; diaphoretic.
Dosc.—For an adult, mx to f3ss.

LUPULUS. The dried strobiles of the female plant of Humulus Lupulus. The common Hop.

Extractum Lupuli.

An aquo-spirituous extract.

Action.—Aromatic bitter tonic; alightly narcotic; sedative. Useful as a narcotic where opiates cannot be borne.

Dose.—For an adult, 5 to 10 or 15 grs.

Incompatibles.—The ferruginous compounds, from the presence of tannin: the mineral acids.

Infusum Lupuli.
An infusion of \$\frac{1}{2}\$ oz. hops in 10 fl.oz. water.
Action.—As above.

Dose.—For an adult, f\$\frac{7}{3}\$ to f\$\frac{7}{3}\$ij.

For a child a year old, f\$\frac{7}{3}\$j.

Incompatibles.—As above.

Tinctura Lupuli.
Composed of hops 2½ oz., proof spirit 1 pint.
Action.—As above.
Dose.—For an adult, f5ss. to f3ij.
For a child a year old, Mv.
Incompatibles.—As above.

Lupulina.

The grains or glands of the hop separated from the strobiles by rubbing and sifting.

Dose.—For an adult, 6 to 12 grs.

Tinctura Lupuline.

5 oz. of the preceding, with 2 pints rectified spirit.

Dose.—For an adult, f3ss. to f3ij.

For a child a year old. my.

These two preparations have much more of the narcotic property than those of the British Pharmasopoia.

LYTHRUM SALIGARIA. The herb Purple Loosestrife. Ph. Dub.

Action. - Astringent bitter tonic.

Dose.—For an adult, 60 grs. of the powdered herb. Incompatibles.—The salts and preparations of iron. A Decoction is made with 1 oz. of the root in a pint of water.

Dosc. For an adult, f3j to f3ij.

For a child a year old, f3j.

MAGNESIUM, Mg. Eq. 12.

Magnesia. MgO.

Prepared by calcining carbonate of magnesia.

Action.—Antacid; aperient; antilithic.

Dose. - For an adult, 10 to 60 grs.

For a child a year old, 3 to 5 grs.

Incompatibles. — Acids, acidulous salts, metallic salts, muriate of ammonia, lunc-water, and alum.

Magnesia Levis. MgO.
Action.—As above.

Dose.—For an adult, 10 to 60 grs.

For a child a year old, 3 grs.

Magnesiæ Carbonas. 3 (MgO,CO<sub>3</sub>)MgO,5 HO. Prepared from the sulphate by the action of carbonate of soda.

Action.—Aperient; antacid.

Dose.—For an adult, 10 to 40 or 60 grs.

For a child a year old, 3 grs.

Incompatibles .- Vide MAGNESIA.

Liquor Magnesise Carbonatis.

Prepared by mixing solutions of the sulphate of magnesia and carbonate of sods, and passing carbonic acid gas into it. This solution contains about 18 grs. of carbonate of magnesia in a fluid ounce.

Action. - Aperient; antacid.

Dose.—For an adult, f3j to f3ij.

Magnesiæ Carbonas Levis. (MgO, CO<sub>2</sub>)<sub>2</sub>MgO<sub>4</sub>
5 HO.

Action .- Aperient; antacid.

Dose. - The same as Magnesize Carbonas.

Incompatibles.— The same as Magnesia, except limewater.

Magnesiæ Citras.

Prepared by mixing solutions of citric acid and carbonate of magnesia.

Action.—Gently purgative; antacid. Dose.—For an adult, 60 to 180 grs.

Liquor Magnesiæ Citratis.

Action.—Antacid; mildly laxative. An agreeable preparation.

Dose.-For an adult, for to fox.

Magnesiæ Sodio Citras.

Does.—For an adult, 60 to 120 grs.

For a child a year old, 5 to 10 grs.

Magnesiae Sulphas, Mg0,80,27 HO.

Action .- Purgative.

Dose. For an adult, 60 grs. to 1 or 1 oz.

For a child a year old, S to 5 grs.

Incompatibles.—Alkalis, the carbonates, lime-water, chloride of calcium, and acetate of lead.

Enema Magnesia Sulphatis.

Composed of sulphate of magnesia 1 oz., elive off 1 fl.oz., mucilage of starch 15 fl.oz.

Action.—Purgative.

MALVA SYLVESTRIS. Marsh-mallow. Made in the form of *Decoction*, it acts as a demulcent, and much resembles Althea.

MANGANESIUM. Mn. Eq. 28.

Manganesii Carbonas cum Saccharo.

Prepared by mixing solutions of sulphate of iron and manganese with carbonate of soda, and afterwards adding sugar.

Action.—The salts of manganese are said to possess properties closely allied to those of the salts of iron as regards their action on the blood, and to be very useful in chlorosis and such-like diseases, also in cases of pyrosis and gastrodynia.

Dose. - For an adult, 5 to 20 grs.

Manganesii Sulphas.

Prepared by dissolving the carbonate in sulphuric acid.

Action.—As above.

Dose.—For an adult, 3 to 8 grs.

MANNA. A concrete saccharine exudation from the stem of Fraxinus ornus.

Action. - Mildly laxative : nutritious when fresh.

Dose. For an adult, 1 oz. to 1 oz.

For a child a year old, 30 to 60 grs.

MASTICHE.—A resinous exudation from the stem of Pistachia Lentiscus. Mastich.

Action. - Stimulant.

Dose.-For an adult, 30 to 60 grs.

MATICE FOLIA.—The dried leaves of Artanthe elongata. Matico.

Action.—Aromatic tonic, stimulant, and styptic, especially to the urinary organs.

Dosc.—For an adult, 30 to 60 grs. of the powder.

For a child a year old, 3 grs.

Infusum Matica.

Composed of matico loz., water 10 fl.oz.

Action. - As above.

Dose.—For an adult, f3j to f3ij.

For a child a year old, f3j.

Tinctura Matica.

Composed of matico 3 oz., proof spirit 20 fl.oz.

Action .- As above.

Dose .- For an adult, f3j to f3ij.

For a child a year old, mv.

MEL. Honey. A sacoharine secretion from Apis Mellifica.

Action.—Slightly laxative, but used chiefly as a vehicle for other medicines.

Dose .- For an adult, 60 grs. to | oz.

For a child a year old, 10 grs. or more.

Mel Boracis.

Composed of borax 64 grs., honey 1 oz.

Action.—A local detergent and stimulant. Useful as a local application to thrush.

Dose.—For an adult, 30 to 80 grs. Soldom given internally. Mel Depuratum. Purified honey.

Action.—Gently laxative.

Dose.—Ad libitum.

Oxymel.
Honey 40 oz., acetic acid 5 fl.oz, water 5 fl.oz.
Action.—Demulcent; but chiefly as a vehicle for other
medicines, and as an adjunct to gargles.
Dosc.—For an adult, f5j to f5ss.

For a child a year old, mx.

MENTHA PIPERITA. The whole herb. Peppermint. Action —Aromatic, carminative, and stimulant. Useful in flatulence.

Aqua Menthæ Piperitæ.

Prepared by distilling 1½ fl.drs. oil of peppermint with 1½ gallons of water.

Distil 1 gallon.

Action.—As above.

Doss.—For an adult, f3j to f3iij.

For a child a year old, f3j to f3ij.

Essentia Mentha Piperita.
English oil of peppermint 1 fl.oz., rectified spirit 4 fl.oz.
Action.—As above.
Doss.—For an adult, mx to mxx.

Oleum Menthæ Piperitæ. The oil distilled in Britain from fresh-flowering peppermint. Action.—As above.

Dose.—For an adult, mij to mv, on sugar or in emulsion

Spiritus Menthæ Piperitæ.

A solution of oil of peppermint 1 fl. oz., in rectified spirit 49 fl. oz.

Action.—Aromatic; carminative; stimulant.

Dose.—For an adult, maxx to f3j or f3ij.

For a child a year old, miij.

**MENTHA VIRIDIS.** The whole herb. Spearmint. Action.—Similar to that of Mentha Piperita.

Aqua Menthæ Viridis.

Oil of spearmint  $1\frac{1}{2}$  fl.drs., water  $1\frac{1}{2}$  gallons; distil a gallon.

Action .- Similar to that of peppermint.

Dose. - For an adult 13; to f3iii.

For a child a year old, foj to foj.

Infusum Menthæ Compositum.

Composed of spearmint leaves 120 grs., sugar 120 grs., oil of spearmint 3 drops, compound tincture of cardamoms 1 fl dr., water 6 fl.oz.

Action.—Similar to, but much more powerful than, spearmint-water.

Dose.—For an adult, f3j to f3ij.

For a child a year old, foss. to foj.

Oleum Menthæ Viridis.

Action .- As above.

Does.—For an adult, mij to mv, on sugar or in

Spiritus Mentha: various.
Oil of spearmint 1 fl.oz., rectified spirit 9 fl.oz.
Action.—Similar to that of peppermint.
Dosc.—For an alult, mxxx to 13j.
For a child a year old, muij to mv.

MENYANTHES. The dried leaves of Menyanthe trifoliata. Buckbean, or Marsh Trefoil. Action.—Astringent tonic; resembles Gentian. Dose.—For an adult, 10 to 30 grs. of the powder.

Extractum Menyanthis.

A watery extract.

Action.—As above.

Dose.—For an adult, 10 to 15 grs.

Infusum Menyanthis.
Composed of marsh-trefoil ½ oz., water 16 oz.
Action.—As above.

Dose.— For an adult, f3j to f3ij.
For a child a year old, f3j.

MEZERRI CORTEX. The dried bark of Daphne Mezereum. Mezereon.

Action — Alterative; diuretic; when applied locally for a long time it acts as a vesicant. Useful in cases of syphilis, chronic rheumatism, and chronic cutaneous diseases.

Decoctum Mezerei.
Composed of mezereon bark 120 grs., liquorice root & oz., water 2 pints, boiled to a pint.

Action.—As above.

Dose.—For an adult, f5iij to f5iv.

For a child a year old, f5j to f5ij.

Extractum Mezerei Æthereum.

A spirituo-sethereal extract.

Action .- Alterative ; diuretic.

Used in the preparation of Linimentum Sinapis Compositum.

MOBI SUCCUS. The juice of the ripe fruit of Morus nigra. Black Mulberry.

Action.—Slightly laxative.

Syrupus Mori.

Mulberry juice 1 pint, refined sugar 2 lbs., and rectified spirit 24 fl.oz.

Action.—Is used chiefly as a colouring and flavouring ingredient.

Dose.-For an adult, f3j to f3ij.

For a child a year old, mx.

MORPHIA. Cal High NOs.

Action.—Similar to opium, but less stimulating; more soporific, but less anodyne.

Dose. — Being insoluble in water, it is not used except in the form of a salt.

Incompatibles.—Solutions of all the salts of morphia are decomposed by the stronger acids, alkalis, and alkaline earths, and most earthy and metallic salts.

Morphise Acetas. C<sub>34</sub>H<sub>19</sub>NO<sub>6</sub>, C<sub>4</sub>H<sub>8</sub>O<sub>8</sub>, HO.

Formed by the action of solution of ammonts on hydrochlorate of morphia, and subsequent addition of acetic said.

Action.-Narcotic. To be used with care.

Dose. For an adult, | gr. to | gr.

Liquor Morphise Acetatis.

Acetate of morphia 4 grs., dilute acetic acid wviij, rectified spirit 2 fl.drs., distilled water 6 fl.drs.

Dose.—For an adult, mx, mxxx, to f3j.

For a child a year old, m½ to m½.

This solution contains ½ a grain of morphia in the drachm, and is therefore half the strength of the Liq.

Morph, Acetat. Ph. Lond.

Injectio Morphiæ Hypodermica.
Hydrochlorate of morphia 88 grs., solution of ammonia, acetic acid, distilled water, of each q. s. It should be a neutral solution measuring exactly 2 fl. oz.
A fluid drachm contains 5 grs. of acetate of morphia.
Dosc.—For an adult, mj to my, suboutaneously.
The addition of atropine enhances the effect of this solution both as an anodyne and soporific, while it obviates its constipating effect. The quantity of atropine for a suboutaneous injection is about the gr of a grain, or less.

Morphiæ Bimeconns.

Action.—This salt is said to possess greater soporific properties, and to be less likely to disagree that any other.

Dose.—Rather less than the Acetate.

Morphiæ Hydrochloras. C<sub>s.</sub>H<sub>19</sub>NO<sub>6</sub>HCl, 6 HO. (Morphiæ Murias.)

Action.—Narcotic; anodyne, soporific.

Dosc.—For an adult, gr. ½ to ½ gr.

Liquor Morphiæ Hydrochloratis.

A solution of hydrochlorate of morphia 4 grs, with 8 minims of dilute hydrochloric acid, rectified spirit 2 fl.drs., water 6 fl.drs.

Action.—As above.

Dose. - For an adult, mxy, mxxx, to f3j.

For a child a year old, mss.

Each drachm contains half a grain of morphia. It is about half the strength of the Liquor Morphise Hydrochloratis. Ph. Lond.

Morphiæ Sulphas.

Dose. - The same as the other morphine salts. This preparation is largely used in America; it is more soluble than the other preparations.

Suppositoria Morphiæ.

Composed of hydrochlorate of morphia 6 gre., benzoated lard 64 grs., white wax 20 grs., oil of theobroma 90 grs. Divide into 12 equal parts, each of which will contain half a grain of hydrochlorate of morphia, a rather large dose for those unaccustomed to opiates - Vide Suppositoria.

Trochisci Morphiæ.

Hydrochlorate of morphia 20 grs., tincture of tolu i fi.oz., sugar 24 oz., gum acacia 1 oz., mucilage of gum acacia q. s., water & fl.oz. Divide into 720 lozenges, each of which contains Ath

of a grain of morphia.

Dosc. -1 to 6 losenges.

Trochisci Morphiæ et Ipecacuanhæ.

Hydrochlorate of morphia 20 grs., ipecacuan 60 grs., tincture of tolu i fl.oz., sugar 24 oz., gum acacia 1 ex., mucilage of gum acacia q. s., water & fl.oz.

Divide into 720 lozenges, each of which contains 12th of a grain of morphia and the of a grain of ipecacuan. Dose. -1 to 6 lozenges.

MORRHUE OLEUM. Vide OLEUM MORRHUE.

MOSCHUS. Musk. The inspissated and dried secretion from the preputial follicles of the Moschus moschiferus.

Action.—Antispasmodic; stimulant to the nervous

system especially.

Dose.—For an adult, 5 to 15 grs., in pill or emulsion. Incompatibles, with a watery infusion.—Corrosive sublimate, sulphate of iron, nitrates of silver and mercury, infusion of bark, &c.

MUCUNA PRURIENS. Cowhage. The legume, with its setse or hairs.

Action.—Anthelmintic, the action being purely mechanical.

The setse, or hairs, should be added to syrup or treacle to the consistence of honey, or an electuary, of which the dose is 3ss. for a child a year old, and f3ss. for an adult. This remedy was formerly used with great success.

MYRISTICA. The kernel of the seed of Myristica officinalis. The Nutmeg tree.

Action.—Aromatic; carminative; stimulant.

Dosc.—For an adult, 5 to 20 grs. of the powder.

Oleum Myristice. The oil distilled in England from nutmegs.

Action.—Aromatic; carminative; stimulant.

Dose.—For an adult, mj to mv in pili or emulsion.

Oleum Myristicae Expressum, Formerly Adeps Myristicae. B.P. 1864. A concrete oil obtained by means of expression and

heat from nutmegs.

Spiritus Myristicæ.
Oil of nutmeg 1 fl.oz., rectified spirit 49 fl oz.
Action.—As above.

Dose. - For an adult, mxx to f3j.

resin.

For a child a year old, mij to miv.

This is just 1th the strength of the preparation of the B.P. 1864.

MYRRHA. A gum resinous exudation from the stem of Balsamedendron Myrrha. Myrrh. Action.—Stimulant; tonic; expectorant; emmenagogue.

Dose.—For an adult, 10 to 40 grs. of the powdered

Pilula Aloes et Myrrhæ. Vide Aloes.

Tinctura Myrrhæ.

Composed of myrrh 2½ oz., rectified spirit 1 pint.

Action.—Stimulant; tonic; expectorant; emmenagogue. Useful in chronic pulmonary affections; also locally to strengthen spongy gums.

Dose.—For an adult, i3ss. to f3j.

For a child a year old, mv.

Water decomposes and precipitates the resin, it should therefore be given in emulsion.

MYROXYLON PEREIRE. The balsam from the etem of this plant forms the

Balsamum Poruvianum. Balsam of Poru.

Action. —Demuloent; expectorant; stimulant.

Dosc. —For an adult, mx to mxv.

For a child a year old, mj.

Unguentum Balsami Peruviani.
Composed of balsam 1 part, lard 7 parts.
Action.—An excellent application for sore nipples
or cracked lips (SQUIRE).

MYROXYLON TOLUIFERA. The balsam from the stem of this plant forms the

Balsamum Tolutanum. Balsam of Tolu.

Action.—A stimulant and expectorant.

Dose.—For an adult, 10 to 20 grs. as an emulsion.

Syrupus Tolutanus.

Balsum of tolu 1½ oz., sugar 2 lbs., water 1 pint.

Action.—As above.

Dose.—For an adult, f3j.

For a child a year old, mv.

Tinctura Tolutana.

Balsam of tolu 2½ oz., rectified spirit 1 pint.

Lose.—For an adult, mxx to 63j.

For a child a year old, mij to mv.

RECTANDRE CORTEX. The bark of Nectandra Rodisei. The Bebeeru, or Greenheart tree. Action.—Antiperiodic; touic. Inferior to quinine. Used for the preparation of Beberise Sulphas. Vide p. 87.

BUX VOMICA. The seeds of Strychnos Nux vomica. Poison-nut tree.

Action.—Bitter and slightly aromatic tonic; narcotic.

Dosc.—For an adult, § gr. to 8 grs. of the powdered seed.

Useful as a general nervine tonic.

Extractum Nucis Vomicæ.

A spirituous extract.

To be administered with care.

Dose.-For an adult, 1 to 1 gr.

Tinctura Nucis Vomicæ.

Composed of nux vomica 2 oz., rectified spirit 1 pint.

Action. -As above.

Dose. - For an adult, my to mx or mxxx.

For preparations of Strychnine, see STRYCHNIA.

OLEUM MORRHUE. The oil extracted from the fresh liver of the Gadus morrhua. Cod-liver oil.

Action.—Alterative; nutritious.

Dose.—For an adult, f3i to f3ss.

For a child a year old, mx to mxx.

Various compounds of cod-liver oil with other ingredients are made such as iodide and other salts of iron, quinine, ozone, &c. Unless, however, these are used when freshly prepared, the oil in a week or two becomes rancid. The ozonized oil is the only exception, but its value is lettle, if at all, enhanced by the addition of the oxygen.

OLIVE OLEUM. The oil expressed from the fruit of Oles Europeas. Olive oil.

Action. - Slightly aperient; demulcent.

Dose. - For an adult, foss, to faj.

For a child a year old, f3ss. to f3j.

OLEUM RICINI. The oil expressed from the seeds of Ricinus communis. Castor oil.

Action. - Purgetive.

Dose. —For an adult, f3j or f3ij to f3j.

For a child a year old, an to idea.

OLEUM THEOBROME. Oil of Theobroma.

A concrete oil obtained by expression and heat from the ground seeds of Theobroma Cacao. Cocoa butter. Used only as a basis for the preparation of the various suppositories.

OLIBANUM. The gum resin of Boswellia thurifera.

Action.—Stimulant; antispasmodic. Used only in fumigation.

**OPIUM.** The inspissated juice of the unripe capsules of Papaver somniferum.

Action. - Anodyne; soporific; diaphoretic.

Dose.—For an adult, 1 gr. to 2 grs.

For a child a year old,  $\frac{1}{10}$  gr., with caution. Incompatibles.—The preparations of opium, when no motion, are incompatible with most metallic salts, from the presence of meconic acid. Alkalis and their carbonates also decompose them, precipitating the morphia. This, however, may be of minor importance.

Acetum Opii. Dub. Ph. Composed of opium 1½ oz., distilled vinegar 16 fl.oz.

Dose.—For an adult, mvj to mxxx.
For a child a year old, m4.

This preparation contains about 5 grs. of opium in a fluid drachm. The Edinburgh Acetum, is nearly three times as strong. Both preparations are said to be more efficacious, and to produce less unpleasant symptoms, than the Tincture.

Confectio Opii.

Compound powder of opium 192 grs., syrup 1 fl.oz. Action.—Anodyne, carminative, and stimulant.

Dosc.—For an adult, 5 to 20 grs.

This preparation contains about 1 gr. of opium in 40.

Emplastrum Opii.
Composed of opium 1 oz., resin plaster 9 oz.
Action.—Anodyne.

Enema Opii.

Tincture of opium f3ss., mucilage of starch 2 fl.oz. Action.—Sedative; anodyne.

Extractum Opii.

A watery extract, evaporated to a proper consistence. Dose.—For an adult, i gr. to 2 grs,
This preparation is about one-third stronger than opium itself. It is less stimulating than the Tincture, and more soporific. One hundred grs. of opium yields 50 of extract.

Extractum Opii Liquidum.

Extract of opium 1 oz., water 16 fl.oz., rectified spirit 4 fl.oz.

Action.—Strongly soporific and anodyne, producing less disturbance of the nervous system than the time-

Dose. - For an adult, mx to mxl.

For a child a year old, m4. Incompatibles.—See VIRUM OPIL.

A drachm of the figure extract is equal to about 22 grs. of extract of opium; 32 minims = 25 of the time sure.

Linimentum Opii. Tinoture of opium 2 fl.oz., soap liniment 2 oz. Action .- Anodyne; sedative.

Pilula Plumbi cum Opio. Acetate of lead 86 grs., opium 6 grs., confection of

roses 6 grs. Action. - Anodyne; astringent; soporific.

Dose. - For an adult, 8 to 5 grs.

Four grs. contain 3 of acetate of lead, and & gr. each of opium and confection.

Pilula Saponis Composita. Opium 4 oz., hard soap 2 oz., water q. s. Action --- As above. Dose. - For an adult, 3 to 5 grs. Bix grs. contain 1 gr. of opium. Useful for making opium suppositories.

Pulvis Cretæ Aromaticus cum Opio. (Pulvis Cretse Compositus cum Opio. Ph. Lond.) Composed of aromatic chalk powder 9 oz., opium 4 oz. Action .- Aromatic : carminative : sedutive. Dose.-For an adult 10 to 40 grs.

For a child a year old, 1 gr. to 11 grs. 40 grs. contain 1 gr. of opium.

Pulvis Opii Compositus. Composed of opium 12 oz., black pepper 2 oz., ginger 5 oz., caraway 6 oz., tragacanth i oz. This powder very much resembles the old Confection Opfi, Ph. Lond. Action. - Aromatic and anodyne, sedative. Dose. - For an adult, 2 to 5 grs. For a child a year old, † gr. to † gr.

10 grs. contain 1 gr. of upinos.

Pulvis Ipecacuanhe Compositus. Dover's Powder. Vide Ipecacuan.

Pulvis Kino Compositus.

Composed of kino 3\frac{3}{2} oz., cinnamon 1 oz., opium \frac{1}{2} oz.

Action. Astringent; sedative.

Dose. — For an adult, 5 to 10 grs. or more.

For a child a year old, \frac{1}{2} gr. to \frac{3}{2} gr.

20 grs. contain 1 gr. of opium.

Tinctura Opii.
Composed of opium 1½ oz., proof spirit 1 pint.
Action.—Anodyne; soporific; more stimulating than the watery preparations of opium.
Doss.—For an adult, my to mxl.
For a child a year old, m½.
Incompatibles.—See Vinum Offi.
1 drachm of the tincture contains rather more than 4

grs. of opium.

Opii Ammoniata.
Composed of benzoic acid and saffron, of each 180 grs., opium 100 grs., oil of anise 1 fl.dr., strong solution of ammonia 4 fl.oz., rectified spirit 16 fl.oz
Action.—Stimulating narcotic; anodyne.
Dosc.—For an adult, f3ss. to f5j.

For a child a year old, mij to mij.

This preparation contains about 1 gr. to the 1½ fl.dr.,
but the ammonia renders it more active.

Tinctura Camphoræ Composita.
Opium 40 grs., bensoic soid 40 grs., camphor 30 grs.,
of of snise i fl.dr., proof spirit 1 pint.

Action.—Anodyne; atimulant; narcotic.

Desc.—For an adult, mxv to f3j.

For a child a year old, mill to mv.

Half an ounce contains about 1 gr. of opium.

Trochisci Opii.

Composed of extract of opium 72 grs., tincture of tolu 1 floz, sugar 16 oz., gum acacia 2 oz., extract of liquorice 6 oz., water q. s. Divide the mass into 720 lozenges, each of which will contain 10 of a gr. of the extract of opium.

Doze.—For an adult, 1 to 6 lozenges, according to the result desired.

Unguentum Gallæ cum Opio. (Ung. Gallæ Conp. Ph. Lond.)
Composed of ointment of galls 1 oz., opium 32 grs. (4 grs. of opium in the drm.).
Action.—Anodyne; astringent.

Unguentum Opii. Ph. Lond. Composed of opium 20 grs., lard 1 oz. Action.—Anodyne.

Vinum Opii.

Composed of extract of opium 1 oz., cinnamon bark and cloves, of each 75 grs., sherry 1 pint.

Action.—About the same as the Tincture, but less likely to disagree.

Dose. -The same as the Tincture.

This is about one-fourth stronger than Vinum Opii of the B.P. 1864; and also of the Edin. and Dub. I'h. It is about one-fifth weaker than Vinum Opii, Ph. Lond., and corresponds in strength with Extractum Opii Liquidum, containing 3½ gra. to the fi.dr.

# NOTE.—For preparations of Morphia, see MORPHIA.

There are several other preparations of opium, of which the Black Drop is one of the most important, as it is the strongest, one drop of this being equal to about 4 of the Tincture; while Sydenham's Luxuamous is of such strength, that 8 minims are equal to about 1 gr. of opium. Lastly, Battley's Liquor Opii Sedativus is nearly 50 per cent. stronger than the Tincture.

OPOPONAX. The gum resin of Opoponax Chironium.

Action.—Antispassmodic, resembling Ammoniacum.

Dose.—For an adult, 10 to 30 grs. of the powdered resin.

ORIGANUM. Wild Marjoram.

Action.—Aromatic; carminative; stimulant. Principally given in the form of

Oleum Origani.

Dosc. -For an adult my to mx on sugar or in emul-

OS USTUM. Bone Ash. The residue of bones which have been burned to a white ash.

OVI VITELLUS. The yolk of the egg of Gallus Banckiva.

OXYMEL. Vide MEL.

Honey 40 oz., acetic acid 5 oz., water 5 oz.

Action.—Demulcent; but chiefly as a vehicle to other
medicines, and as an adjunct to gargles.

Dose. - For an adult, faj to fass.

For a obild a year old, mx.

# Oxymel Scilies. Vide Scilla.

#### PANCREATIC EMULSION.

Dr. Dobell has lately introduced this remedy to the notice of the profession as valuable in the treatment of pulmonary phthisis.—Vide Lancet, Nov. 11th and 18th, 1866.

PAPAVERIS CAPSULE. The nearly ripe capsules of Papaver somniferum. Garden or White Pappy. Action.—Anodyne and soporific; but very mild as compared with opium.

Decoctum Papaveris.

Composed of poppy capsules 2 oz., water 1 pint. Action.—Anodyne, but used principally as an external application.

Extractum Papaveris.

Composed of poppy-heads without seeds 1 lb., rectified spirit 2 fl.oz., water q.s.; evaporated down to a proper consistence.

Action.—Anodyne, but very mild.

Dose.—For an adult, 2 to 5 grs.

Syrupus Papaveris.

Composed of poppy capsules 36 oz., water 20 pints, rectified spirit 16 fl.oz., sugar 4 lbs. The whole, evsporated, to weigh 64 lbs. Sp. gr. 1.320.

Dose.—For an adult, f3j.

For a child a year old, my to mx.

One drachm has been fatal to a child a year old.

PAPAVER RHCAS. The dried petals of the Red Poppy.

Action.—A very mild anodyne and soporific, principally used as a colouring ingredient.

Syrupus Rhœados.

Composed of red poppy petals 18 oz., sugar 2½ lbs., water 1 pint, rectified spirit 2½ fl.oz.

Dose. - For an adult, f3j.

For a child a year old. mx.

Its chief use is as a colouring ingredient, though it probably possesses in a very slight degree narcotic properties.

PAREIRE BADIX. The dried root of Cissampelos Pareira. Wild Vine.

Action.—Very slightly laxative, diuretic, and tonic. Dosc.—For an adult, 80 to 60 grs.

Decoctum Pareiræ.

Composed of pareira 1½ oz., water 1 pint.

Action.—As above.

Useful in chronic estarrhal affections of the bladder.

Dosc.—For an adult, f5j to f5jij.

For a child a year old, f3j.

Extractum Pareiræ.

A watery extract.

Action—Diuretic; tonic.

Dose.—For an adult, 10 to 20 grs.

Extractum Pareiræ Liquidum.
An aquo-spirituous extract.
Action.—Diuretic; tonic.
Doss.—For an adult, 15ss. to 13ij.

PENGHAWAR DJAMBI. The Malayan designation of the lower part of the stipes of a large fern indigenous in Sumatra. (WARING.)

This drug has lately obtained great celebrity in India for its astringent and styptic properties. It should be applied directly to the bleeding surface; about 5 or 10 grains will generally suffice to stop the bleeding from any vessels of not larger diameter than a line and a half.

### PEPSINA. Pepsine.

The active principle of the gastric juice of several animals, the calf, the pig, and the sheep. The dose is 5 to 10 or 15 grs.

Action.—An artificial digestive in cases where the gastric juice is defective.

# Vinum Pepsinæ.

A solution of the powdered pepsine in sherry wine.

Action.—An artificial digestive.

Dose.—One or two teaspoonfuls, or more.

It should be taken immediately after food.

The Pepsina Porci, originally suggested by Dr.

Beale, is said to be five times stronger than that obtained from the stomach of the calf.

Dose.—For an adult, 2 to 4 grs. in pill with glycerine.

#### PESSARIES.

Various kinds of pessaries for use in the vagina are made, of which the following are samples, arranged according to their therapeutical or physiological action. They need not as a rule be larger than 20 grs. The best mass for the pessary is gelatine and glycerine in the proportion of one part of the former to four of the latter. This is prefer-

able to the greasy substance, cocca-butter. Admirable specimens of all the following are kept by Bell and Co., 338, Oxford Street. They are cast in little conical moulds, and are most convenient for use. Of course the ingredients may be variously modified:—

Action.	Ingredient.	Strength.
Sedative	Atropine(Belladonna) 1-	20 grain.
<b>d</b> o	Belladonna 8	do.
do	Conium10	do.
do	Coneia 1	do.
do	Opium 2	do.
do	Morphia &	do.
Cicatrizing & Emollient	Bismuth, Oxide15	
	Borax	
	Zinc, Oxide 15	
	Tannin10	
do	Alum15	do.
<b>do.</b> .	:. Alum and Catechu15	do. of
do.	Do. Iron10	(
	Acetate of Lead 7	
do.	Do. do. and Opium	do. 2 grs
do.		
do.		
do.	Gallie Acid10	do.
do	Perchloride of Iron	do.
do.	Persulphate of Iron	do.
Caustic	!	
	Carbonate of Seda14	

Ingredient.	Action.		Strength.
Alterative &Resolvent		10	grains.
do.	do. do. and Atropine	5 }	do, 1-20
do	Iodide of Potassium	a10 `	do.
do.	Bromide of Potas-	10	do.
do.	Mercurial		do. (Ung. Hydrarg.)

PHLORIDZINA. A neutral bitter principle, found in the bark and root of the apple, pear, cherry, and plum crees.

Action.—Tonic and antiperiodic; said to be very efficacious in intermittent fevers.

Dose.—For an adult, 5 to 10 or 15 grs., in pill, or in solution with aromatic spirits of ammonia.

PHOSPHORUS. A non-metallic element obtained from bones. P. Eq. 32.

\*\*Action.\*\*—Stimulant; approximate, with special action on the brain and nervous system.

Oleum Phosphoratum.
Composed of phosphorus and almond oil.
Action.—Stimulant; aphrodisiac.
Dose.—For an adult, my to mx, in emulsion.

Pilula Phosphori.

Phosphorus 2 grs., balsam of tolu 120 grs., yellow wax, 60 grs.

Action.—Nervous stimulant; approdisiac. Recommended by Dr. C. B. Radeliffe as a nourisher of the nervous system.

Dosc.—For an adult, 3 to 6 grs.

The hypophosphites of soda are used also in the administration of phosphorus.

Syrupus Phosphori.

This, which has been prepared by M. Fauconnet, of Paris, is highly extolled in the treatment of phthisis. Thirty drops represent  $\eta_0$  of a grain of Phosphorus. It is said to be agreeable to taste, very assimilable, constant and uniform in strength, and stable in any climate.

Dose.—For an adult, mv, gradually increased to mxiv.

Said to be useful also in chronic rheumatism, gout, chronic bronchitis, asthma Sold by Roberts, 76, New Bond Street, and other chemists.

Tinctura Phosphori Ætherea.

Composed of phosphorus 4 parts, sulphuric ether 200 parts by weight; macerate for a month, with occasional shaking.

The quantity dissolved is about 4 grs. in the ounce. Dose.—For an adult, my to mx or mxv, suspended in mucilage.

PHYSOSTIGMATIS FABA. The seed of Physostigma venenosum—Calabar Bean.

Action.—Sedative. Has the power of inducing paralysis of lower extremities, and in a marked manner contraction of the iris. Is said to be useful in tetanus and chores.

Doss.—For an adult, 1 to 4 grs. of the powder,

Extractum Physostigmatis.

1 lb. of Calabar bean to 4 pints of rectified spirit.

Action.—As above.

Dose.—For an adult, 1 to 1 of a grain.

PIMENTA. The dried unripe berries of Ugenia Pimenta. Allspice.

Action.—Aromatic; carminative; stimulant.

Dose.—For an adult, 10 to 30 grs.

Aqua Pimentæ.

Prepared by distilling 14 oz. of pimento with 2 gallons of water. Distil 1 gallon.

Action — Aromatic; carminative.

Dose. — For an adult, 13j to 13j.

For a child a year old, 13j.

Oleum Pimentæ.

Action.—Aromatic; carminative.

Dose.—For an adult, mij to miv.

Spiritus Pimentæ. Ph. Lond.
Oit of pimento 3 fl.drs., proof spirits 1 gallon.
Action.—Aromatic; carminative; stimulant.
Dosc.—For an adult, 13ss. to 13j.
For a child a year old, mij to mv.

PIPER NIGRUM. The dried unripe berries of Black Pepper.

Action — Carminative; stimulant.

Doss. — For an adult, 10 to 20 grs.

Confectio Piperis.
Black pepper 2 oz., caraway 8 oz., honey 15 oz.
Action.—Carminative; stimulant.
Doss.—For an adult, 60 to 120 grs.

Unguentum Piperis Nigra. Ph. Dub. Composed of lard 1 lb., black pepper 4 os. Action.—Stimulant.

PIX BURGUNDICA. A resinous exudation from the stem of Abies excelsa.

Action.—Expectorant; stimulant; but used internally only in the form of Pix Liquida. Externally it is used as a stimulant to the skin.

Emplastrum Picis.

Burgundy pitch 26 oz, common frankincense 18 oz., resin and yellow wax of each 4½ oz, expressed oil of nutmeg 1 oz., olive oil 2 fl.oz., water 2 fl.oz.

Action.—Stimulant.

Pix Liquida. A bituminous liquid obtained from the wood of Pinus sylvestris.

Action.—Diuretic; expectorant; stimulant. Useful in some chronic skin diseases, and in certain cases of urinary diseases.

Dose. - For an adult, my to mx or mxx.

The best form of administration is the "Capsules de Goudron." These are very extensively used on the Continent in cases of inflammation of the bladder, in his morrhoids, &c.

Unguentum Picis Liquidæ.
Composed of tar 5 oz., yellow wax 2 oz.
Action.—Resolvent; stimulant. Useful in some chronic scaly skin diseases.

PLOCARIA HELMINTHOCORTON. Coreioan Moss. Action.—Anthelmintic. Is said to be very efficacious in expelling the ascarıs lumbricoides.

Lose.—For an adult, 60 to 120 grs.

Decoctum Plocariæ.

Composed of the powder \( \frac{1}{2} \) oz. to 1 oz., water 1 pint.

Action.—Anthelmintic.

Dosg.—For an adult, \( \frac{7}{2} \) iss. ter in die.

## PLUMBUM. Pb. Eq. 104.

Incompatibles.—All the salts of lead are decomposed by sulphuric acid, the sulphates, phosphates, and carbonates; liquor ammonize acetatis, and optum in solution; vegetable acids, alkalis, iodide of potassium, all astringents and albummous liquids.

Plumbi Acetas. PbO, C<sub>4</sub>H<sub>8</sub>O<sub>8</sub>, 3 HO.
Prepared by the action of acetic acid on oxide of lead.
Action.—Astringent; sedative. Useful in arresting excessive secretion, bæmorrhage, &c.
Dose.—For an adult, 1 gr. to 2 or 3 grs.
Incompatibles.—See Plumbum.

Unguentum Plumbi Acetatis.

Acetate of lead 12 grs., benzoated lard 1 oz.

Action.—Astringent; sedative.

Liquor Plumbi Subacetatis,
A solution of subacetate of lead: prepared hy boiling
acetate and oxide of lead.
Action,—Astringent; sedative,

Liquor Plumbi Subacetatis Dilutus.
Composed of solution of subacetate of lead 2 fl.drs., rectified spirit 2 fl.drs, water 19½ fl.oz.

Action.—Astringent; sedative.

Unguentum Plumbi Subacetatis Compositum. Composed of solution of subacetate of lead 6 floz., camphor 60 grs., white wax 8 oz., almond oil 1 pint. Action.—Astringent; sedative.

Pilula Plumbi cum Opio.
Composed of acetate of lead 36 grs., opium and confection of roses of each 6 grs.
Action.—Astringent; anodyne; soporific.
Dosc.—For an adult, 3 to 5 grs.
Four grains contain 3 of acetate of lead and ½ gr. of opium.

Suppositoria Plumbi Composita.

Take of acetate of lead 36 grs., opium 12 grs., bensoated lard 42 grs., white wax 10 grs., oil of theobroma 80 grs. Divide into 12 equal parts, each of which will contain 8 grs. of the acetate of lead, and 1 gr. of opium.

Action.—Astringent; sedative.

Plumbi Carbonas. 2 (PbO, CO<sub>2</sub>), PbO, HO.

Action.—Sedative; astringent. Not used internally.

Unguentum Plumbi Carbonatis.
Carbonate of lead 62 grs., simple cintment 1 cs.
Action.—Sciativs.

Plumbi Iodidum, PbI.

Prepared by the action of iodide of potassium on nitrate of lead.

Action .- Alterative ; resolvent.

Emplastrum Plumbi Iodidi.

Composed of iodide of lead 1 oz., soap plaster and resin plaster of each 4 oz.

Action. - Resolvent; sedative.

Unguentum Plumbi Iodidi.

Iodide of lead 62 grs., simple ointment 1 oz. Action.—Resolvent; sedative.

Plumbi Nitras. Pho. No..

Action.—A solution of this sait in water, 60 grs. to the oz., forms "Ledoyen's Disinfecting Fluid."

Plumbi Oxidum. (Lithargyrum. B.P. 1864.) PbO. Action.—Protective. Not used internally.

Emplastrum Plumbi.

Oxide of lead 4 lbs., olive oil 1 gallon, water 3 pints.

Plumbi Saccharas.

Prepared by saturating an aqueous solution of eaccharic acid with freshly precipitated carbonate of lead.

Action.—This preparation is said to possess active decomposing powers on phosphatic calculi, and has been injected into the bladder for that purpose with very good effect. A Nitro-saccharate is also prepared by dissolving the saccharate in cold dilute nitric acid: it is said to possess the same properties.

Plumbi Tannas.

Prepared by adding tannic acid to acetate of lead. Action.—Has been found of great value both in preventing and healing bed sores, in the form of

Unguentum Plumbi Tannas. Tannate of lead 120 grs., simple contment 1 cz.

PODOPHYLLI BADIX. The dried rhizome of Podophyllum peltatum. American May Apple.

Action.—Cathartic, cholagogue, and alterative.

Dose.—For an adult, 10 grs. to 20 grs. of the powder.

Podophylli Resina.

Action.—A cholagogue purgative, and alterative.

Dose.—For an adult, 1 gr. to 1 gr. in pill. Should be given with henbane to prevent griping.

POLYGONUM BISTORTA. Officinal Bistort.

Action.—Astringent; useful in passive hemorrhages and mucous discharges.

Dose.—For an adult, 20 to 80 grs. of the powdered root.

Decoctum Bistortse.

Composed of bistort root 2 os., water 1 pint.

Dose.—For an adult, f5i to f5ij.

PORPHYRA LACCINIATA. Purple Laver, one of the Algen.

Action.—Alterative. Valuable in scorbutic and scrofulous affections.

# POTASSIUM. K. Eq. 39.

Potassa Caustica. KO,HO. (Potassa Hydras. Ph. Lond.)
Prepared by the evaporation of solution of potash.

Action.—Caustic. Not used internally.

## Potassæ Acetas.

Prepared by the action of acetic acid on carbonate of potash. KO,C<sub>4</sub>H<sub>2</sub>O<sub>3</sub>.

Action.—Diuretic; antacid; slightly purgative.

Dosc. - For an adult, 15 to 60 grs.

For a child a year old, 2 to 3 grs. Incompatibles.—Mineral acids, the sulphates of soda and magnesia, muriate of ammonia, the tartrates of potash and soda, corrosive sublimate, and nitrate of silver.

#### Potasse Bicarbonas.

Prepared from the carbonate by the addition of carbonic acid gas to a solution of the salt. KO, HO, 2 CO<sub>2</sub>.

Dose.—For an adult, 10 to 30 grs.

For a child a year old, 2 or 8 grs.

Incompatibles.—Acids and acidulous salts, tartar emetic, calomel, corrosive sublimate, the sulphates of quinine, iron, zino, and magnesia, and the salts of least and silver.

Liquor Potasse Effervescens.

A solution of bicarbonate of potash, 80 grs. to the pint, into which a stream of carbonic acid is passed under strong pressure.

Action.—Antacid; diuretic; refrigerant.

Dose.—For an adult, f3ij to f3iv or more.

Potassæ Bichromas. KO,2 CrO<sub>2</sub>.

Action.—Has been recommended as an alterative and autrsyphilitic in small doses.

Dose.—For an adult, \( \frac{1}{10} \) to \( \frac{1}{4} \) gr. in pill.

Potassæ Carbonas.

Prepared by washing pearlashes.

Action.—Antacid; diuretic. Is rather more irritating than the bicarbonate.

Action, Dose, and Incompatibles.—The same as the bicarbonate.

Liquor Potassæ.

Prepared from a solution of the carbonate by the addition of slaked lime and water. One fluid oz. contains 27 grs. of the alkali. Sp. gr. 1.058.

Action.—Antacid; antilithic; diuretic.

Dose.—For an adult, mx to mxxx or f3j, very freely diluted.

For a child a year old, mj.

Incompatibles.—Acids and acidulous salts, calomel, and corrosive sublimate; also henbane, beliadonna, and stramonium.

Liquor Potassa Brandishii.

Composed of American pearlashes 6 lbs., ash wood ashes 2 lbs., quicklime 2 lbs., boiling water 6 gallons. Action.—Antacid.

Dose.—For an adult, mxx to f3j.

For a child a year old, mij.

Potassæ Chloras.

Prepared by passing a stream of chlorine gas through a solution of carbonate of potash and lime. KO,ClO<sub>s</sub>. Action.—Diuretic; detergent; stimulant. Very useful in cases of ulcerative stomatitis and cynanche. Soluble in cold water 1 in 12, in hot water 1 in 2. Dose.—For an adult, 10 to 30 grs.

For a child a year old, 2 grs.

Trochisci Potasse Chloratis.

Composed of chlorate of potash 3600 grs., sugar 25 oz., gum acacia 1 oz., mucilage of gum acacia 2 fl.oz., water q. s. Divide into 720 bozenges, each of which will contain 5 grs. of chlorate of potash.

Dosc.—For an adult, 1 to 6 lozenges.

Potassæ Citras.

Prepared by adding a solution of citric acid to one of carbonate of potash. 3 KO, C<sub>12</sub>H<sub>2</sub>O<sub>11</sub>.

Action. — Diaphoretic; diuretic; refrigerant.

Dosc. — For an adult, 10 to 20 or 40 grs.

For a child a year old, 2 grs.

Potassa cum Calce. Formerly in the Ph. Lond. A mixture of caustic potash and lime. It is made in sticks, and is more convenient for use than the caustic potash because it is firmer and much less deliquescent.

Assion.—Caustic.

Potassæ Nitras.

Prepared by washing the commercial salt. KO, NO<sub>4</sub>. Action.—Diaphoretic; diuretic; refrigerant. Brown paper soaked in a solution (1 part in 4 of water) then dried, and burnt slowly, is very useful in cases of spasmodic asthma.

Dose.—For an adult, 10 to 30 grs.

For a child a year old, 2 grs.

Incompatibles.—Sulphuric acid, the sulphates, alum, baryta, calomel, corrosive sublimate, &c.

Potassæ Nitras Effervescens.

Action.—As above.

Dose.—For an adult, 60 to 120 grs.

For a child a year old, 5 to 10 grs.

It contains 5 grs. of nitre in 60 grs.

Potassæ Permanganas. KO, Mn<sub>2</sub>O<sub>7</sub>.
Used for making yellow prussiate of potash.
Action.—Alterative and oxidizer. Useful also as a deodorizer and as an application to foul or unhealthy surfaces.

Dose. — For an adult, 1 to 4 grs., but best given in the form of

Liquor Potassæ Permanganatis.

A solution of this salt constitutes "Condy's Disinfecting Fluid." That in the B.P. contains 4 grs. to thefl.os. Action,—Disinfectant.

Dose.—For an adult, f3j to f3ij or f3ss., but chiefly for external use, or as a gargle diluted with 40 parts of water.

Potassæ Prussias Flavæ.

Used only for making the Acidum Hydrocyanicum Dilutum. K<sub>2</sub>FeC<sub>4</sub>N<sub>21</sub> 3 HO.

Potassæ Sulphas. Ko, So.

Action.—Purgative. Useful in some affections of the liver.

Dose. - For an adult, 15 to 60 grs.

For a child a year old, 2 to 3 grs.

Incompatibles.—Tartaric acid, acetate of lead, the

chlorides of barium and calcium.

Potassa Sulphurata. KS<sub>a</sub>. (Formerly Potassii Tersulphuretum.)

Prepared by the action of sublimed sulphur on carbo-

nate of potash.

Action.—Antiseptic; irritant; diaphoretic; stimulant expectorant. Useful in destroying fungi and parasites.

Dose.—For an adult, 4 to 10 grs. For a bath 4 oz. to 30 gallons of water.

Incompatibles. — Mineral and vegetable acids, and the salts of most metals.

Unguentum Potassæ Sulphuratæ. Composed of sulphurated potash 80 grs., lard 1 oz. Action.—Insecticide; alterative; stimulant.

Potasse Tartras.

Prepared by the action of carbonate of potash on acid tartrate of potash.  $2 \text{ KO}, C_0 H_1 O_{10}$ .

Action.—Mildly purgative; refrigerant; diuretic and alterative.

Dose.—For an adult, 20 to 60 grs. as a diuretic; \(\frac{1}{4}\) os. as an aperient.

For a child a year old, 2 to 4 grs.

Incompatibles.—Acids, acidulous salts, lime-water, shloride of calcium, magnesia, nitrate of silver, acetate of lead.

Potassæ Tartras Acida. (Formerly Potassæ Bitartras.)

Action .- Diuretic ; purgative ; refrigerant.

Dose.—For an adult, 20 to 60 grs. as a diuretic, & oz. as a purgative.

For a child a year old, 5 grs.

Incompatibles.—Acids, acidulous salts, alkalis and their carbonates, the salts of lead, silver, and copper.

#### Potassii Bromidum.

Prepared by the action of bromine on solution of

potash. KBr.

Action.—Alterative; resolvent in cases of glandular enlargement. Useful also in cases of epilepsy, in certain ovarian diseases of an inflammatory or neuralgic character.

Dose. - For an adult, 3 to 10 or 20 grs.

For a child a year old, & gr.

Incompatibles.—Acids, and the salts of most metals and earths.

#### Potassii Iodidum.

Prepared by adding iodine to a solution of potash. KI. Action.—Alterative; resolvent.

Dose.—For an adult, 3 to 10 grs.

For a child a year old, 1 to 1 gr.

Incompatibles.—Acids, and the salts of most metals and earths.

Emplastrum Potassii Iodidi.
Composed of iodide of potassium 1 oz., frankincense 6 oz., wax 6 oz., olive oil 2 fl.oz.
Action.—Alterative; resolvent.

Linimentum Potassii Iodidi cum Sapone. Hard soap and iodide of potassium, of each 1½ oz., glycerine 1 fl.oz., oil of lemon 1 fl.drm., water 10 fl.oz.

Action.—Alterative; resolvent.

Unguentum Potassii Iodidi. Composed of iodide of potassium 64 grs., carbonate of potast 4 grs., water 1 fl.dr., lard 1 oz. Actioi.—Resolvent; alterative; irritant.

the following will be found useful, and may be ade very agreeable refrigerant draughts:—

Potasse Bicarbonas Acidum Citricum 14 grs.
20 grs. in effervescence with. Succus Limonis f3iijss.

Potassee Carbonas
20 grs. in effervescence with. Acidum Citricum 17 grs.
Acidum Tartaricum 18 grs.
Succus Limonis f5ss.

Sodæ Bicarbor.as Acidum Citricum 17 grs. 20 grs. in effer- Acidum Tartaricum 18 grs vescence with. Succus Limonis f3ss.

Ammoniæ Carbonas | Acidum Citricum 24 grs. 20 grs. in effer- | Acidum Tartaricum 25 grs vescence with. | Sucous Limonis f3vj.

The respective quantities here indicated are just sufficient to render the reaction neutral.

PROPYLAMINE. A colourless, transparent, volstile alkali, obtained from herring brine.

Action. -It has been strongly recommended by Dr. Awenarius, of St. Petersburg, for the treatment of acute and chronic rheumatism.

Dose. - For an adult, a teaspoonful of the solution prepared in the following way: 20 drops of propylamine mixed in 6 fl.oz. of water, with 2 fl.drs. of oleo-saccharum of peppermint.

PRUNUM. Prune. The dried fruit of Prunus domestica.

Action .- Gently laxative : refrigerant. Dose .- Ad libitum.

PRUNUS VIRGINIANA. The American Wild Cherry.

Infusum Pruni Virginiane.

Composed of the powdered bark 1 oz., water

1 pint.

Action .- Sedative, allied to digitalis, but said not to have any of the unpleasant depressing effects of that drug. Has been strongly recommended in cases of palpitation and cardiac hypertrophy. Dose.—For an adult, f3jss.

Tinctura Pruni Virginianæ. 20 fl. oz. of proof spirit, and 2 oz. of the powdered bark.

Action. - As above. Doss .- For an adult, mx to mxl. PTEROCARPI LIGNUM. The wood of Pterocarpus santalinus. Sandal-wood tree.

Used only as a colouring ingredient; as in the Tinctura Lavandulæ Composita.

There is an essential oil of this wood, which has been much recommended in the treatment of gonorrhosa and leucorrhosa.

PYRETHRI RADIX. The root of Anacyclus Pyrethrum. Pellitory.

Action.—Acrid irritant. Causes free secretion of

Tinctura Pyrethri.

Composed of pellitory root 4 oz., rectified spirit 1 pint. Action.—Irritant and sialogogue, rarely used internally, but is said to be very useful as a local application to toothache.

#### PYROXYLIN. Gun cotton.

A solution of cotton 1 oz., in nitric and sulphuric acids, 5 fl.oz. of each. Used in the preparation of collodium.

QUASSIÆ LIGNUM. The wood of Picræna excelsa. Quassia.

Action.—Simple bitter, without astringency or aroma. Is compatible with the salts of iron.

Extractum Quassiæ.

A watery extract; 48 oz. of wood yield I oz. of extract.

Action.—A simple bitter tonic, having no astringency or aroma.

Dose.—For an adult, 8 to 5 or 8 grs.

Infusum Quassiæ.

Composed of quassia 60 grs., water 10 fl.oz.

Action .- Simple bitter tonic.

Dose .- For an adult, f3j to f3iij.

For a child a year old, f3j to f3ij.

Incompatibles. — Vide TINCTURA QUASSIE COMPOSITA.

Tinctura Quassiæ.

Composed of quassia 2 oz., proof spirit 1 pint.

Action. - Simple bitter tonic.

Dose.—For an adult, f3ss. to f3ij.

For a child a year old, my to mviij.

Tinctura Quassiæ Composita. Ph. Edin.

Composed of cardamons and cochineal, of each  $\frac{1}{2}$  oz., cinnamon and quassia, of each  $\frac{3}{4}$  oz., raisins 7 oz.,

proof spirit 2 pints.

Action.—Arcmatic bitter tonic.

Dose.—For an aduk, f3j to f3ij.

For a child a year old, mv.

The preparations of quassia, except the compound tincture, are not decomposed by the salts of iron, but are incompatible with those of lead and silver.

QUERCUS CORTEX. The dried bark of Quercus pedunculats. The common Oak.

Action.—An astringent bitter tonic.

Dose.—For an adult, 80 to 120 grs. of the powder.

For a child a year old, 2 to 3 grs.

Decoctum Quercus.

Composed of oak bark 11 oz., water 1 pint.

Action.—A valuable astringent, whether internally or externally applied.

Dose, - For an adult, faj to faij.

For a child a year old, f5j to f5ij.

-Incompatibles.—Metallic salts, mineral soids, alkalis, gelatine.

Extractum Quercus. Obtained by evaporating the decoction. Action .- As above. Dose .- For an adult, 10 to 30 grs.

#### QUINIA.

Quiniæ Citras. Action .- Simple bitter tonic. Dose. - The same as the Sulphai

Quiniæ Citras Effervescens. This is a compound of the granular effervescing citrotartrate of soda with citrate of quinine: 1 gr. of the latter in 60. Action. - Refrigerant bitter tonic. Dose. - For an adult, 60 to 120 grs.

Syrupus Quiniæ Dikinat. Composed of dikinate of quinia and syrup. One drachm of the latter contains two grs. of the former, which is equal to 3% oz. of the decoction of bark, or 96 grs. of powdered bark. (SQUIRE.) Action. -The same as the sulphate, but more delicate. Dose.—For an adult, f3ss. to f3j.

Pilula Quiniæ. Composed of sulphate of quinia 60 gra., confection of hips 20 grs. Action. - Simple bitter tonic; antiperiodic. Post .- For an adult. 2 to 10 ors.

Quiniæ Sulphas, C, H<sub>34</sub>N<sub>3</sub>O<sub>4</sub>, HO, SO<sub>3</sub>, 7HO.

(Formerly Quina Disulphas.)

Prepared from yellow cinchona bark. 12 grs. of the

alkaloid are equal to about 1 oz. of the bark.

Action.—Pure bitter tonic and antiperiodic. A few drops of mineral acid should always be added to it when given in solution.

Dose.—For an adult, 1 to 5 or 10 grs.

For a child a year old, a gr. to 1 gr.

Incompatibles.—Alkalis and their carbonates, vegetable astringent infusions.

Tinctura Quiniæ.

Composed of sulphate of quinia 160 grs., tineture of orange-peel 1 pint (=1 gr. of quinine to the fl.dr.).

Action .- Aromatic bitter tonic.

Dose.—For an adult, f3ss. to f3ij.

For a child a year old, mv.

Tinctura Quiniæ Ammoniata.

Sulphate of quinia 160 grs., solution of ammonia 24

fl.oz., proof spirit 174 fl.oz.

Action.—This is a very convenient mode of administering quinine free from any soid. In this form it is not a simple, but an aromatic bitter and stimulating tonic.

Dose.—For an adult, f3ss. to f3j.

For a child a year old, miii.

Vinum Quiniæ.

Composed of sulphate of quinia 20 grs., citric seid 30 grs., crange wine a pint.

Action.—Aromatic bitter tonic; antiperiodic.

Bose.—For an adult, f5ss. to f5j.

For a child a year old, f3ss. to f5j.

Quiniæ Valerianas.

Prepared by the action of valerianate of soda on muriate of quinine.

Action.—Bitter tonic and antispasmodic. Useful in hysteria with debility.

Dosc. —For an adult, 1 gr. to 3 grs., in pill or mucilaginous mixture,

QUINIDINA. One of the alkaloids of cinchona bark.

Quinidinæ Sulphas.

Action.—Similar, but inferior to the sulphate of quinine.

Dose.—For an adult, 1 gr. to 5 grs.

RESINA. The residue of the distillation of the turpentines from various species of Pinus. Resin. Action.—Used in the following compounds.

Emplastrum Resinæ.

Resin 40z., lead plaster 2 lbs., hard soap 2 oz. Use.—Adhesive; to dress wounds, &c.

Unguentum Resinæ.

Resin 8 oz., yellow wax 4 oz., simple cintment 16 oz. Action.—Stimulating to aluggish wounds and indolent ploers.

#### RHAMNI SUCCUS.

The recently expressed juice of the ripe berries of common Buckthorn, Rhambus catharticus.

Used only in the preparation of

Syrupus Rhamni.

Composed of juice of buckthorn berries 4 pints, sliced ginger and allspice, of each \(\frac{3}{2}\) oz., sugar 5 lbs., rectified spirit 6 fl.oz. Sp. gr. 1.32.

Action.—Drastic purgative. Produces free watery evacuations; useful in some forms of dropsy, but is very depressing.

Dose.—For an adult, f3j to f3ij.
For a child a year old, my to mx.

BHEI RADIX. The root of one or more undetermined species of Rheum deprived of the bark and dried. Rhubarb.

Action.—An astringent and slightly bitter purgative. Stomachic.

Dose.—For an adult, 5 to 20 grs. of the powdered root.

For a child a year old, 2 grs.

Extractum Rhei.

An aquo-spirituous extract.

Action. - Purgative.

Dosc.—For an adult, 5 to 15 grs. This is the dose given in the Br. Ph., but it is certainly rather strong.

Infusum Rhei.
Composed of rhubarb 1 oz., water 10 fl.oz.
Action.—Purgative.
Doss.—For an adult, f5j to f5ij.
For a child a year old, f5j.

Pilula Rhei Composita.

Composed of rhubarb 8 oz., socotrine alose 2½ oz., myrrh 1½ oz., hard soap 1½ oz., oil of peppermint 1½ fl.drs., treacle 4 oz.

Action.—Purgative.

Dose.—For an adult, 5 to 10 grs.

Pilula Rhei et Ferri. Ph. Edin. Composed of dried sulphate of iron 4 parts, extract of rhubarb 10 parts, conserve of red roses 5 parts. Action.—Aperient and tonic.

Dose.—For an adult, 5 to 20 grs.

Pulvis Rhei Compositus. (Gregory's Powder.)
Rhubarb 2 oz., light magnesia 6 oz., ginger 1 oz.
Action.—Antacid and aperient.
Dose.—For an adult, 20 to 60 grs.

For a child a year old, 3 to 5 grs., in solution, or as an electuary with honey.

Syrupus Rhei.

Rhubarb and coriander fruit of each 2 os., sugar 24 oz., spirit 8 fl.oz., water 24 fl.os. Make 18 fl.oz. Action.—Aperient; stomachic.

Dose.—For an adult, f3j to f3ss.

For a child a year old, mx to xx.

# Tinctura Rhei.

Composed of rhubarb 2 oz., cardamoms, coriander, and saffron, of each \(\frac{1}{4}\) oz., proof spirit 1 pint.

Action.—Aperient and stomachic.

Dosc.—For an adult, f3j to f3ij as a stomachic; f3ss

to f5; as a purgative.
For a child a year old, f3ss. as a purgative.

Vinum Rhei.

Rhubarb 14 oz., canella 60 grs., sherry 1 pint.

Action.—Mildly aperient.

Dose.—For an adult, f3j to f3ij.

For a child a year old, my to mx.

# **EHODODENDRON CHRYSANTHEMUM.** Oleander or Rosebay.

Action.—Stimulant at first, afterwards depressant. It enjoys, according to Dr. Waring, a great repute among the inhabitants of Siberia for rheumatism, gout, &c.

The Dose is a decoction of \( \frac{1}{2} \) oz. of the leaves in 10 fl. oz. of water, to be taken every morning.

RHŒADOS PETALA. The dried petals of the Papaver rhœas. Red Poppy.

Action.—Very gently sedative and anodyne.

Syrupus Rhœados.

Composed of red poppy petals 13 oz., refined sugar 24lbs, distilled water 1 pint, rectified spirit 24 fl.oz. Action.—Anodyne and sedative; but principally used as a colouring and flavouring ingredient. Dosc.—For an adult, f3j to f3ij.

For a child a year old, mx.

# RHUS TOXICODENDROW. Sumach.

Action.—Stimulant. In some respects it resembles strychnia in its action.

Dose.—For an adult, i gr. to 1 gr. of the powdered leaves.

# EXCINUS COMMUNIS. Castor-oil plant.

Oleum Ricini.
The oil expressed from the seeds.
Action.—Purgative.
Dosc.—For an adult, f5j to f5ss.
For a child a year old, mxx to f5ss.

A convenient and elegant mode of administering castor oil is the following:—

Mistura Ricini.

Composed of castor oil 4 fl.oz., solution of potash 2 fl.drs., cinnamon-water 8 fl.oz.

Dose.—For an adult, 13j to 13ij.

For a child a year old, f3ss. to f3j.

Ricini Communis Folia.

Action.—A decoction of the leaves is highly recommended by Dr. Routh as an application to the breasts; he states that he has hardly known it fail to produce an abundant supply of milk. This, however, has not been the case in my experience.

ROSE CANINE FRUCTUS. The dried petals of Rose canins. Dog Rose.

Confectio Ross Canines.
Composed of hips 1 lb., sugar 2 lbs.
Action.—Feebly astringent and refrigerant. Chiefly used as a vehicle for other remedies.
Doss.—Fer an adult, 30 to 120 ors.

BOSE GALLICE PETALA. The fresh and dried unexpanded petals of Rosa Gallica. French Rose.

Confectio Rosæ Gallicæ.
Composed of red-rose petals 1 lb., sugar 3 lbs.
Dosc.—For an adult, 30 to 120 grs.
Action.—Feebly astringent; refrigerant. Chiefly used as a vehicle for other remedies.

Infusum Rosæ Acidum. (Infus. Rosæ. Comp. Ph. Lond.)
Composed of red-rose petals 1 oz., dilute sulphuric acid 1 fl.drm., water 10 fl.oz.

Action.—As above, but more powerfully astringent.

Dose.—For an adult, f3j to f3j.

For a child a year old, f3j.

Incompatibles.—See Aqua Rosæ.

Syrupus Rosæ Gallicæ.

Red-rose petals 2 oz., sugar 30 oz., water 1 pint.

Action.—Astringent; chiefly used for its colour.

Dose.—For an adult, f3j to f3j.

For a child a year old, mx.

ROSE CENTIFOLIE PETALA. The fresh petals, fully expanded, of Rosa centifolia. Cabbage Rose.

Aqua Rosæ.

Composed of fresh petals of the hundred-leaved rose 10 lbs., water 2 gallons. Distil 1 gallon.

Dose. - For an adult, f3j to f3ij.

Incompatibles.—All the foregoing preparations depend for their astringency upon the presence of tannic or gallic acid. They are therefore incompatible with the salts and preparations of iron, most of them also with the stronger acids, alkalis, and lime-water. ROSMARINUS. The flowering tops of Rosmarinus officinalis. Common Rosemary.

Oleum Rosmarini. The oil distilled from the flowering tops.

Action.—Antispasmodic; stimulant; externally, an irritant.

Dose.—For an adult, mij to mv in pill, on sugar, or in emulsion.

Spiritus Rosmarini.

Oil of rosemary 1 fl.oz., rectified spirit 49 fl.oz.

Action.—As above.

Dose. - For an adult, f3ss. to f3j.

For a child a year old, mij to mv.

This is one-fifth the strength of the preparation of the same name in the British Pharmacopaia of 1864.

RUBIA TINCTORIUM. Madder; the root.

Action.—Tonic and emmenagogue; "useful in atonic amenorrhoea.

Dose.—For an adult, 30 to 120 grs. of the powdered root.

A Decoction is made by gently boiling 1 oz. of the root in a pint of water. Dose for an adult, f3jss.

RUTA. The fresh leaves of Ruta graveolens. Common Rue.

Confectio Rute. Ph. Lond.

Fresh rue, caraway, bay berries, of each 14 oz., sagapenum 4 oz., black pepper 120 grs., honey 16 oz.

Action.—Antispasmodic; stimulant; emmenagogue.

Doze.—For an adult, 20 to 60 grs.

### Enema Rutæ.

Confection of rue 60 grs., decectum hordei 6 cz.

Action.—Stimulant; antispasmodic. Useful in flatulent colic.

#### Oleum Rutæ.

Action.—As above.

Dose.—For an adult, mij to mvj in emulsion.

# Syrupus Rutæ.

Composed of oil of rue 20 drops, syrup 1 pint, Dose.—For children, 13ss. to 13j, for flatulence,

#### SABADILLA. The dried fruit of Asagræs officinalis. Cevadilla.

Action.—Anthelmintic; cathartic; emetic. Has very irritant properties.

Dose.—For an adult, 4 to 6 grs. in powder. Used in the manufacture of Veratria.

# SABINE CACUMINA. The fresh and dried tops of Juniperus Sabina. Common Savin. Action.—Anthelmintic; diaphoretic; emmenagogue; externally, an irritant.

Dose.—For an adult, 5 to 10 grs. in powder.

# Oleum Sabinæ.

Action.—As above.

Dose.—For an adult, mij to mv, on sugar or in emulsion.

#### Tinctura Sabine.

Composed of Savin 21 oz., proof spirit 1 pint.

Action.—Anthelmintic; diaphoretic; sumenagogue,

Dose.—For an adult, mx to mxxx or f3j.

Unguentum Sabine.
Fresh savin 8 oz., yellow wax 8 oz., lard 16 oz.
Action.—Irritant. Used to keep blisters open.

**SACCHARUM LACTIS.** Crystallized sugar, obtained from the whey of cow's milk by evaporation.  $C_{24}H_{24}O_{24}$ .

\*\*Action.\*\*—Laxative; nutritive.

\*\*Dose.\*\*—For an adult, 60 to 120 grs.

SACCHARUM PURIFICATUM. The crystallized refined juice of the stem of Saccharum officinarum. C<sub>st</sub>H<sub>ss</sub>O<sub>ts</sub>.
Actorn.—Demulcent, perhaps slightly laxative.
Dose.—Ad libitum.

Syrupus.

Composed of refined sugar 5lbs., water 2 pints. Action.—As above.

Dose.—As above. Used chiefly as a vehicle or as a pleasant adjunct to other medicines.

SALIOIS CORTEX. The bark of several varieties of Salix. Willow Bark.

Action.—Antiperiodic and tonic; somewhat resembles quinine.

Dose.—For an adult, 80 to 60 grs. of the powdered bark.

Infusum Salicis.
Composed of willow bark 1 oz., water 1 pint.
Action.—Tonic; resembles quinine.
Dose.—For an adult, f5j to f5ij.
For a child a year old, f5j.

Salicine. The alkaloid of willow bark.

Action.—As above.

Dose.—For an adult, 5 grs.

**SAMBUCI FLORES.** The fresh flowers of Sambucus niger. Common Elder.

Aqua Sambuci.

Elder-flowers 10 lbs., water 2 gallons; distil a gallon.

Action.—Carminative; but is used more as a cosmetic to the skin, as a vehicle to other medicines, or externally as a discutient

Dose.—For an adult, f3j to f3j.

For a child a year old, f3j to f3j.

Unguentum Sambuci. Ph. Lond. Composed of elder-flowers and lard, of each 1 lb. Action.—Soothing and healing.

SANGUINARIA CANADENSIS. Blood-root. Action.—Stimulant at first, and after awhile depressant, emetic, expectorant. Has been recommended as a stimulant in croup. Dosc.—For an adult, 10 to 20 grs.

SANTONICA. The unexpanded flower-heads of an undetermined species of Artemisia.

Action.—Anthelmentic.

Dose.—For an adult, 80 to 60 grs.

For a child a year old, 2 to 5 grs.

Is best given in the form of

Santoninum. C<sub>80</sub>H<sub>18</sub>O<sub>6</sub>.

Action.—Anthelmintic. Especially for lumbrici.

Dose.—For an adult, 2 to 6 or 10 grs.

For a child a year old. \( \frac{1}{2} \) gr.

This drug not infrequently affects the eyesight, causing dimners, and making all objects appear green. It also sometimes causes incontinence of urine.

**SAPO DURUS.** Soap made with olive-oil and soda. Action.—Antacid and slightly aperient. Dose.—For an adult, 5 to 15 grs.

Emplastrum Saponis.

Hard soap 6 oz., lead plaster 2½ lbs., resin 1 oz.

Action. — Adhesive.

Emplastrum Cerati Saponis.

Composed of hard soap 10 oz., yellow wax 12½ oz., elive-oil 1 pint, oxide of lead 15 oz., vinegar 1 gallon.

Action.—Adhesive.

Linimentum Saponis Camphoratum. Ph. Boruss.

Composed of medicated soap 1½ oz., camphor 1½ oz., rectnied spirit 20 fl.oz. Dissolve the former, and add oil of thyme ½ fl.dr., oil of rosemary 1 fl.dr., solution of caustic ammonia 1 fl.dr. Action.—Rubefacient; stimulant.

Linimentum Potassii Iodidi cum Sapene. Hard soap, iodide of potassium, of each ly oz., glycerine I fl.oz., oil of lemon I fl.dr., distilled water 10 fl.oz.

Action.—Resolvent; alterative.

Linimentum Saponis.

Hard soap 2½ oz., camphor 1½ oz., oil of resemary 3 fl.drs., rectified spirit 18 fl.oz., distilled water 2 fl.oz. Action.—Stimulating; emollient.

Pilula Saponis Composita.
Composed of opium 4 oz., hard soap 2 oz., water q. s.
Action.—Anodyne; sedative.
Dose.—For an adult, 3 to 5 or 10 grs.
Five grains contain 1 gr. of opium.

SAPO MOLLIS. Soap made with olive-oil and potash.

**SAPONARIA VACCARIA.** Cow Basil or Vaccaria. Action.—Dr. Routh speaks favourably of a strong infusion as a galactagogue.

SARRACENIA PURPUREA. Purple pitcher-plant. This drug has been lately recommended as a remedy of some power in small-pox. It has also been suggested as a prophylactic. Probably inert.

SARSE RADIX. The dried root of Smilax officinalis. Sarsaparilla.

Action.—Alterative; tonic.

Dose.—For an adult, 80 to 120 grs. of the powder.

Decoctum Sarsæ.

Prepared by boiling 2½ oz. of sarsaparilla with 1 pint of water; boil to a pint.

Action.—Alterative; tonic. Useful in secondary syphilis, chronic rheumatism, and other debilitating diseases.

Dosc.—For an adult, faij to fajv, or more.
For a child a year old, fajj.

Decoctum Sarsæ Compositum.

Composed of sarsaparilla 24 oz., sassafras 1 oz., guaiac wood 1 oz., liquorice 1 oz., mezereon 60 grs., water 1½ pints. Make a pint.

Action. - As above.

Dose. - For an adult, f3iij to f3vj, or more.

For a child a year old, f3ij.

These two preparations are incompatible with acetate of lead and solutions of mercury. Alkalis, also, tend to decompose them.

Extractum Sarsæ Liquidum.

An aquo-spirituous extract. One fl.oz. is equal to 16 fl.oz. of decoction.

Dose. - For an adult, f3i to f3ss.

For a child a year old, mx.

Extractum Sarsæ Liquidum Compositum. Sarsaparilla 1 lb., sassafras 2 oz., guaiscum 2 oz., liquorice-root 2 oz., mezereon 1 oz., rectified spirit 1 oz., water 6 pints; evaporated to a proper consistence.

Action -Alterative : tonic.

Dose. - For an adult, f3j to f3ss. For a child a year old, my to mx.

Infusum Sarsaparillæ Compositum. Ph. Dub. Composed of sarsaparilla 1 oz., lime-water 1 pint. Action .- Alterative ; tonic.

Dose, - For an adult, f3iij to f3vi.

For a child a year old, f3ij.

Syrupus Sarsæ. Ph. Lond. Sarsaparilla 15 oz., water 1 pint, sugar 15 oz. Dose. - For an adult, f3i to f3ss. For a child a year old, mx to mxx.

**SASSAFRAS BADIX.** The dried root of Sassafras officinale.

Used chiefly in the preparations of sarsa.

Oleum Sassafras. Ph. Dub.

Action.—Alterative, stimulant, and tonic.

Dose.—For an adult, mij to mx in emulsion.

SCAMMONIÆ RADIX. The dried root of Convolvulus Scammonia, from which is obtained

Scammoniæ Resina.

The resin extracted from the root by spirit and water. Action.—Drastic purgative; acts principally on the mucous coat of the bowel, and is thus useful in expelling ascarides.

Dose. - For an adult, 3 to 8 grs.

For a child a year old, & gr. to 1 gr.

Mistura Scammonii.

A mixture in which each draught for an adult contains 4 grs. of the resin and 2 fl.oz. of milk.

Action .- Purgative.

Dose.—For an adult, f3j to f3ij or more.
For a child a year old, f3j to f3ij.

**SOAMMONIUM.** A gum resis, obtained by incision from the living root. Scammony.

Action .- As above.

Doss.—For an adult, 5 to 10 grs.

For a child a year old, 1 gr.

Confectio Scammonii.

Scammony 3 oz., ginger 1½ oz., oil of carui 1 fl.dr., oil of cloves 30 minims, syrup 3 fl.oz., honey 1½ oz. Action.—Purgative.

Dose.—For an adult, 10 to 30 grs.

For a child a year old, 1 to 2 grs.

Pilula Scammonii Composita.

Resin of scammony, resin of jalap, curd soap, of each 1 oz., strong mixture of ginger, 1 fl.oz., rectified spirit 2 fl.oz.

Action .- Drastic purgative.

Dose. - For an adult, 5 to 15 grs.

Pulvis Scammonii Compositus.

A mixture of scammony 4 oz., jalap 3 oz., ginger 1 oz. Action.—Drastic purgative.

Dose. - For an adult, 10 to 20 grs.

For a child a year old, 1 or 2 grs.

Scammonine.

This is a pure white powder, the active principle of the above; it is a much more certain, because a purer, preparation than the Resina of the B.P.

Dose .- For an adult, 2 to 4 grs.

SCILLA. The bulb of Urginea Scilla. Squill.

Action.—Diuretic, stimulating expectorant; emetic in larger doses.

Dose.—For an adult, 1 to 3 grs.; as an emetic, 8 grs. of the powder.

Acetum Scillæ.

Squills 2½ ez., dilute acetic acid 1 pint, proof spirit 1½ fl.oz.

Action. - Diuretic; stimulating expectorant.

Dose.—For an adult, may to mal.

For a child a year old, mij.

# Oxymel Scillæ.

Composed of honey 2 lbs., vinegar of squills 1 pint. Action.—Diuretic; stimulating expectorant.

Dose.—For an adult, f3j to f3ij.

For a child a year old, my to mx.

Pilula Scillæ Composita.

Composed of squills  $1\frac{1}{4}$  oz., ginger 1 oz., ammoniacum 1 oz., hard soap 1 oz., treacle 2 oz.

Action. - Diuretic; stimulating expectorant.

Dose. - For an adult, 5 to 10 grs.

Syrupus Scillæ.

Composed of vinegar of squills 1 pint, sugar 21 lbs.

Dose. For an adult, f3ss. to f3ij.

For a child a year old, mx.

This preparation resembles very closely the Oxymel Scills.

Tinctura Scilla.

Composed of squills 24 oz., proof spirit 1 pint. Action.—Diuretic; stimulating expectorant.

Dose. - For an adult, mx to mxxx.

For a child a year old, mi to mii.

Scoparus scoparus. Broom-tops.

Action .- Diuretic ; purgative.

Dose.—For an adult, 5 to 15 grs. of the powdered seeds. Useful in various forms of dropsy.

Decoctum Scoparii.
Composed of broom-tops 1 oz., water 1 pint.
Action. — Diuretic.
Dose. — For an adult, f5j to f5iij.
For a child a year old, f5j to f5iij.

Succus Scoparii.

Composed of 3 measures of the expressed juice of broomtops with 1 measure of rectified spirit.

Action. - Diuretic.

Dosc. — For an adult, f3ss. to f3j or f3ij.
For a child a year old, mv.

scrophularia Nodosa. Knotty-rooted Figwort. An ointment, composed of 2 lbs. of the leaves and 3 lbs. of simple ointment, has been recommended in some chronic cutaneous eruptions, especially in pemphigus and rupia, tinea capitis, and impetigo.

SENEGE RADIX. The dried root of Polygala Senega. Snake-root.

Decoctum Senega. Ph. Lond.
Senega 1; oz., water 2 pints; boil to 1 pint.
Action.—Diuretic; emetic; expectorant. Useful in chronic bronchitis.

Doss.—For an adult, [5] to [5].

For a child a year cid, [5].

Infusum Senegse.

Composed of senega 1 oz., water 10 fl.oz. Action.—Diuretic; emetic; expectorant. Dose.—For an adult, f3j to f3ij.

For a child a year old, f3ss. to f3j.

Tinctura Senegæ.

Composed of senega 2½ oz., proof spirit 1 pint.
Action.—Diuretic; emetic; expectorant.
Dosc.—For an adult, f3ss. to f3j.
For a child a year old, my.

**SENNA.** The leaflets of Cassia lanceolata, Cassia elongata, and Cassia obovata.

Action.—Purgative. Is apt to cause griping if given

in full doses. Useful in cases of habitual constipation.

Dose. —For an Mult, 60 to 120 grs. of the powdered leaves. Rarely used.

Confectio Sennæ.

Composed of senna 7 oz., coriander 3 oz., figs 12 oz., tamarinds 9 oz., cassia pulp 9 oz., prunes 6 oz., extract of liquorice \$ oz., sugar 30 oz., water q. s. to make the weight of the resulting confection 75 oz.

Action.—Purgative.

Dose.—For an adult, 80 to 60 or 120 grs.

For a child a year old, 2 to 5 gr.

Infusum Sennæ.

Composed of Senna 1 oz., ginger 30 grs., water 10 fl.cs.

Dosc.-For an adult, f3j to f5ij.

For a child a year old, f3j to f3ij. A grain of nitrate of potasit to each oz, will preserve this infusion. Mistura Sennæ Composita.

Sulphate of magnesia 4 oz., extract of liquorice \( \frac{1}{2} \) oz., tincture of semma 2\( \frac{1}{2} \) fl.oz., compound tincture of cardamoms 10 fl.drs., infusion of senna q. s. to make a pint.

Action .- Pargative.

Dose.—For an adult, f3j to f3jss.

For a child a year old, f3j to f3jss.

This is a convenient and agreeable form of "Black Draught."

Syrupus Sennæ.

Composed of senna 16 oz , oil of coriander 3 minims, sugar 24 oz., rectified spirit, 2 fl.oz., water 5 pints. Action.—Purgative. Useful as an apstient to children. Dosc.—For an adult, f5i to f5ii or f2as.

For a child a year old, mxx to f3ss.

This preparation is much cheaper than the old London and Edinburgh formula.

Tinctura Sennæ.

Composed of senna 2½ oz., raisins 2 oz., caraway ½ oz., coriander ½ oz., proof spirit 1 pint.

Action.—Purgative.

Dose. - For an adult, f3j to f3ss.

For a child a year old.

SERPENTARIE RADIX. The root of Aristolochia Serpentaria, Virginian snakeroot,

Action.—Diaphoretic; stimulant; tonic. Combined with ammeria this is a very useful tonic in low febrile conditions.

Dosc.—For an adult, 10 to 15 gra. of the powder.

Infusum Serpentariæ.

Composed of serpentary 1 oz., water 10 fl.oz.

Action .- Tonic ; stimulant ; disphoretic.

Dose .- For an adult, f3j to f3ij.

For a child a year old, f5j.

Tinctura Serpentariæ.

Composed of serpentary 21 oz , proof spirit 1 pint.

Action. - Tonic; stimulant; disphoretic.

Dose.—For an adult, f3ss. to f3ij.

For a child a year old, my to mx.

SEVUM PREPARATUM. Prepared suct. The internal fat of the abdomen of Ovas aries, purified by melting and straining.

SIMARUBA. The bark of Simaruba amara. Mountain damson.

Action.—Astringent and bitter tonic. Useful in diarrhoea and dysentery.

Infusum Simarubæ.

Composed of Simaruba bark 180 grs., water 1 pint. Action.—Astringent and bitter tonic.

Dose,-For an adult, f3j to f3ij.

For a child a year old, f3i.

Incompatibles.—The carbonates of alkalis, lime water, and the salts of lead, silver and mercury.

SIRAPIS. The powdered seeds of Sinapis alba and S. nigra. Mustard,

Action.—Externally, rubefacient. Internally, in small doses stimulant: in larger doses emetic.

Doce.—For an adult, 5 to 10 or 60 grs. to } oz. as an emetic.

For a child a year old, 1 or 2 to 10 gts.

Cataplasma Sinapis.

Mustard 2½ oz., linseed meal 2½ oz., water 10 fl.oz. Action.—Rubefacient; stimulant.

Linimentum Sinapis Compositum.

Oil of mustard 1 fl.dr., ethereal extract of mezereon 40 grs., camphor 120 grs., castor oil 5 fl.drs., rectified spirit 4 fl.oz.

Action. - Stimulant; irritant.

Oleum Sinapis.

The oil distilled with water rom the seeds of black mustard, Sinapis nigra, used only in the preparation of the foregoing.

Charta Sinapis.

Prepared by moistening one side of cartridge paper with a mixture of black mustard seeds loz., solution of gutta percha 2 fl.oz.

This is a very convenient, ready, and effective mode of applying a mustard plaster. It resembles very much the mustard leaves of Rigollot. The sinapine tissue of Cooper is also a very useful form of application.

SODIUM. Na. Eq. 23.

Soda Caustica. NaO, HO.

Action.—Antacid; caustic. Only used internally in the form of

Liquor Sodæ.

Prepared by acting on solution of carbonate of soda with slaked lime.

Action.—Antacid.

Dose.—For an adult, mx to mxxx.
For a child a year old, mj.

Sodæ Acetas. NaO, C, H, O, 6 HO.
Action. —Antacid; diurctic.
Dosc. — For an adult, 15 to 120 grs.
For a child a year old, 2 to 8 grs.

Sodæ Arsenias. Vide Preparations of Arsenicum.

Liquor Sodse Arseniatis. Vide Preparations of Arsenicum.

Sodæ Biboras. NaO, 2 BO, 10HO.

Action.—Emmenagogue; diuretic; refrigerant.

Dose.—For an adult, 10 to 40 grs.

For a child a year old, 2 grs.

Incompatibles. — Most acids, potash, ammonia, the sulphates, muriates, and phosphates of earths.

Glycerinum Boracis.
Composed of borax ? oz., glycerine 4 fl.oz.
Action.—Emmenagogue; diurctic; locally detergent.
Dose.—For an adult, f3ss. to f3ij.

Sodæ Bicarbonas.

Prepared by passing carbonic acid gas through a solution of the carbonate. NaO, HO, 2 CO<sub>2</sub>.

Action.—Antacid; diuretic; resolvent.

Dose.—For an adult, 10 to 40 grs.

For a child a year old, 2 to 3 grs.

Incompatibles.— Acids and acidulous salts, earthy and metallic salts, muriate of ammonia.

Trochisci Sodæ Bicarbonatis.

Composed of bicarbonate of soda, 3600 grs., refined sugar 25 oz., gum acacia 1 oz., water 1 ft.oz., mueilage of gum acacia 2 ft.oz. Divide into 720 lozenges. Each lozenge contains 5 grs. of bicarbonate of soda.

Desc.—2 to 6 lozenges.

Sodes Carbonas. NaO, CO, 10 HO.
Prepared by washing the impure carbonate.

Action.—Antacid; resolvent; diuretic.

Dosc.—For an adult, 10 to 30 or 40 grs.

For a child a year old, 2 to 3 grs.

20 grs. of this salt are saturated by 10 grs. of citric soid, 10 of tartaric acid, and 2½ drs. of lemon-juice.

Sodæ Carbonas Exsiccata.

Prepared by heating the carbonate. NaO, CO<sub>2</sub>.

54 grs. of this preparation are equal to 144 grs. of the crystallized.

Action.—As above.

Dose.—For an adult, 5 to 10 grs. in pill, with soap and aromatics. (SQUIRE.)

Sodæ Hypochloris. Chlorinated soda.

Action.—Stimulant; tono; autiseptic.

Administered internally in the form of Liquor Sodæ Chloratæ.

Cataplasma Sodæ Chloratæ.

Composed of solution of chlorinated soda 2 fl.oz., linseed meal 4 oz., water 8 fl.oz.

Action.—Antiseptic.

Liquor Sodæ Chloratæ. (Formerly Liquor Sodæ Chlorinata). Prepared by the action of the black exide of manganese and hydrochloric acid on carbonate of soda. This constitutes what is called "Labarraque's Sodæ Disinfecting Fluid." Action.—Antiseptic; resolvent; stimulant. Useful in low, febrile conditions, where a blood purifier is required; also as a local application to feetid conditions. Dosc.—For an adult, mx to mxx.

Sods Hypophosphis.

Obtained by adding carbonate of soda to solution of bypophosphite of lime.

Action. - Stimulant; tonic; alterative.

Dose.—For an adult, 5 to 10 or 15 grs.

This is the principal of the alkaline hypophosphites introduced by Dr. Churchill, and recommended as a nervine stimulant. It is best given with some bitter tonic.

Sodæ Hyposulphis. NaO.S.O.5 HO.

Action.—Alterative; resolvent. Useful in cases of sarcines ventriculi, and where an alterative is required. Also as a local application in various parasitic diseases.

Dose.—For an adult, 20 to 60 grains.
For a child a year old, 2 grs.

Sodæ Nitras.

A native salt purified by crystallization. NaO, NO, Action.—Diuretic.

Dosc. - For an adult, 10 to 30 grs.

Sodæ Phosphas.

Prepared by the action of sulphuric acid and bone ash upon carbonate of soda. 2 NaO, HO, PO, 24 HO. Action.—Alterative; purgative. An agreeable aperient, as it is quite tasteless.

Dose.—For an adult, 60 to 120 grs. or 1 oz.
For a child a year old, 5 crs.

Sodæ Sulphas. (Glauber's Salts.) NaO, SO, 10 HO.

Action.—Diuretic; purgative.

Dose.—For an adult, 4 to 1 oz.

For a child a year old, 8 to 5 grs.

Sodæ Sulpho Carbolas. Vide Preparations of Carbolic Acid.

Sodæ Sulphis,

Action.—Alterative. Is useful in cases of Sarcinæ ventriculi.

Dose.—For an adult, 20 to 40 grs.

Soda Tartarata. Rochelle salt. Formerly Sodse et Potasse Tartras.

Prepared by the action of carbonate of sods on acid tartrate of potash. NaO, KO, C<sub>8</sub>H<sub>4</sub>O<sub>16</sub>8 HO.

Action.—Dirretic; purgative in the larger doses.

This is the basis of the ordinary Seidlitz powder.

Dose.—For an adult, 60 to 120 grs. or \( \frac{1}{2} \) oz.

For a child a year old, 3 to 5 grs.

Liquor Sodæ Effervescens. Soda water.

A solution of bicarbonate of soda charged with carbonic acid gas.

Action.—Antacid; refrigerant.

Dosc.—For an adult, ad libitum. A half-pint bottle contains 15 grs. of the alkali.

Sodæ Citro Tartras Effervescens.

Prepared by the action of tartaric and citric acids en bicarbonate of sods.

Action.—Antacid; diuretic; refrigerant.

Dose.—For an adult, 60 to 120 grs.

Sodæ Valerianas.

Prepared by the action of valerianic acid on solution of soda. NaO, C, H,O,. Action .- Antispasmodic.

Dose. - For an adult, 1 to 5 grs.

Sodii Chloridum. Naul.

Action .- In small doses anthelmintic, stimulant, tonic. In large doses emetic, purgative.

Dose .- For an adult, 10 to 30 grs. ; 120 to 240 grs. as an emetic.

For a child a year old, 1 to 2 grs.; 10 to 20 grs. as an emetic.

Sodii Iodidum. Nal.

Prepared by the action of iodine on solution of soda.

Action .- Alterative : resolvent. The same as iodide of potassium.

Dose.-For an adult, 3 to 10 or 15 grs.

Sodii Iodidi Effervescens. Action .- Alterative : resolvent. Dose. - For an adult, 60 to 120 grs. 60 grs. contain 2 grs. of iodide of sodium.

SPIGELIA. The root of Spigelia Marilandica and S. anthelmintica. Worm seed or Indian pink. Actions-A powerful and successful anthelmintic. It also acts as a purgative.

Does.—For an adult, 60 to 180 grs, of the powder.

For a child a year old, 4 grs.

Infusum Spigeliæ. Ph. U.S.
Composed of spigelia root ½ oz., water 16 oz.
Action.—This preparation is held in much repute in
America as a vermifuge.
Dose.—For an adult, 13iv to 13vij.
For a child a year old, 15ij to 13ss.

SPIRITUS ETHERIS. Sp. gr. 0.809. Composed of sether 10 fl.oz., rectified spirit 1 pint.

Action.—Stimulant; antispasmodic. Diuretic.

Dosc.—For an adult, f3ss. to f3j or f3jss.

Spiritus Ætheris Nitrosi. (Spiritus Ætheris Nitrici. Phytond.) C<sub>4</sub>H<sub>5</sub>O,NO<sub>3</sub>. Sp. gr. 0.845.
Action.—Diurzic.
Dose.—For za adult, f3ss. to f3j or f3jss.

SPIRITUS PYROXYLICUS RECTIFICATUS. Hydrated oxide of methyl. Wood spirit. C<sub>2</sub>H<sub>2</sub>O, HO. Action.—Stimulant; narcotic. Useful in allaying some forms of obstinate vomiting.

Dose.—For an adult, Mx to Mxxx.

**SPIRITUS RECTIFICATUS.** Sp. gr. 838. Alcohol with 16 per cent. of water. C<sub>4</sub>H<sub>6</sub>O<sub>2</sub>. Action.—Diffusible stimulant; narcotic. Diluted with water, it forms an agreeable and effective evaporating lotion.

Dose.—For an adult, naxy to f5j.

SPIRITUS TENUIOR. Proof spirit. Sp. gr. 920. Composed of rectified spirit 5 pints, water 3 pints. Action.—Stimulant; narcotic. Bose.—For an adult, 15es. to 15ij. SPIRITUS VINI GALLICI. Brandy.
Spirit distilled from French Wine.
Action.—Diffusible stimulant; narcotic.
Dosc.—For an adult, f3ij to f3j.
For a child a year old, mx.

Mistura Spiritus Vini Gallici.
Composed of brandy 4 fl.oz., cinnamon water 4 fl.oz., yolks of 2 eggs, sugar & oz.
Action.—An agreeable form of stimulant. Very use-

ful in low febrile and debilitated conditions. Dose.—For an adult, f3j to f3i.

For a child a year old, foss. to f3j.

STANNUM. Sn Tin filings have been used as a vermifuge in doses of 10 to 30 grs, for an adult.

Stanni Chloridum. SaCl

Action.—Tonic and antispasmodic in chorea, and epilepsy.

Dose.—For an adult, 1 gr. to 1 gr. in pill.

STRAMONII FOLIA. The dried leaves of Datura Stramonium.

Action.—Antispasmodic; anodyne; expectorant; sedative; narcotic. Very useful in spasmodic affections of the pulmonary organs.

Dose.—For an adult, 1 to 2 grs. of the powdered leaves. This is rarely used except for smoking.

STRAMONII SEMINA. The ripe seeds of Datura Stramonium.
Action.—As above.
Doss.—For an adult, \( \frac{1}{2} \) to 1 gr

A better form is the Extract.

Extractum Stramonii.

An ethereal and spirituous extract of the seeds.

Action.—Antispasmodic; anodyne; sedative; narcotic.

Dose.—For an adult, 1 to 1 gr., or more.

Tinctura Stramonii.

Stramonium seeds 2½ oz., proof spirit 1 pint.

Action.—Antispasmodic; expectorant; anodyne; narcotic.

Dose.-For an adult, mx to mxxx.

For a child a year old, mj to mij.

Incompatibles.—Caustic alkalis, mineral acids, and metallic salts.

STRYCHNIA. The alkaloid of Nux vomica. See also Nux Vomica. C4.4H2.N2O4.

Action.—Narcotic, bitter tonic. A powerful poison.

Dose.—For an adult, 31/4 to 11/2 gr., in pull or in solution with alcohol or acetic acid.

Liquor Strychniæ.

Composed of strychnia 4 grs., dilute hydrochloric acid 6 minims, rectified spirit 2 fl.drs., water 6 fl.drs.

Action. - As above.

Doze.—For an adult,  $\mathfrak{m} v$  to  $\mathfrak{m} x \ (= \frac{1}{2} t$  to  $\frac{1}{19} gr.)$  Two drachms contain one grain of strychula.

STYRAX PREPARATUS. A balsam obtained from the bark of Liquidambar orientale. Storax. Action.—Antispasmodic; expectorant; stimulant. Dosc.—For an adult, 10 to 20 grs. in pill. Pilula Styracis Composita. Strained storax 360 grs., opium 120 grs., aaffron 120 grs.

Action.—As above.

Dose.—For an adult, 2 to 5 or 10 grs.

BULPHUR PRECIPITATUM. S. Eq. 16.

Action.—Alterative; diaphoretic; purgative; resolvent. The precipitated is more active than the sublimed form.

Dosc.—For an adult, 20 to 40 grs.

For a child a year old, 2 grs.

SULPHUR SUBLIMATUM. S. Eq. 16.

Action.—Alterative; diaphoretic; purgative.

Dose.—For an adult, 30 to 60 grs., or more.

For a child a year old, 2 grs.

Confectio Sulphuris.

Composed of sublimed sulphur 4 oz., acid tartrate of potash 1 oz., syrup of orange-peel 4 fl.oz.

Action.—As above.

Dose.—For an adult, 60 to 120 grs.

For a child a year old, 5 grs.

Unguentum Sulphuris.
Sublimed sulphur 1 oz., benzoated lard 4 oz.
Action.—Alterative; parasiticide. Useful in scables.

Sulphuris Iodidum.

Prepared by subliming iodine with sulphur. S.I.

Action.—Alterative; resolvent. Used externally in
the form of

Unguentum Sulphuris Iodidi.
Composed of iodide of sulphur 30 grs., lard 1 oz.
Action.—Alterative; resolvent; parasitioide.

SUMBUL BADIX. The root of an unknown Asiatic plant. Sumbul root.

Action.—Antispasmodic; stimulant. Useful in low febrile conditions; also in the exhaustion of diarrhess and dysentery.

Dose.—Of the powder for an adult. 10 to 20 grs.

Tinctura Sumbuli.
Composed of the root 2½ oz., proof spirit a pint.
Action.—As above.

Dose.—For an adult, mx to mxxx.

For a child a year old, mi.

#### SUPPOSITORIES.

Suppositoria Acidi Carbolici cum Sapone. Carbolic acid 12 grs., curd soap 180 grs., starch q. s. Make a mass, and divide into 12 parts. Action.—Disinfectant. Very useful per vaginam in cases of cancer uteri.

Suppositoria Morphiæ cum Sapone.
Hydrochlorate of morphia 6 grs., glycerine of starch
50 grs., curd soap 100 grs., starch q. s. Make a
mass, and divide into 12 parts. Each suppository contains 4 gr. of morphia.

Astion.—Anodyne.

Suppositoria Acidi Tannici cum Sapone. Tannic acid 36 grs., glycerine of starch 50 grs., curd sosp, 100 grs., starch q. s. Make a mass, and divide into 12 parts.

The above are the only suppositories in the New Pharmacopæia, but the following have been introduced of late as valuable in cases where medicines cannot for various reasons be retained in the stomach, or when it is desirable to apply any given remedy locally; the strength and composition may of course be varied. They may be made up with cocos butter, or, better still, with gelatine and glycerine, in the way described under the head of Pessaries, at page 153. The only difference between the suppositories and pessaries is in regard to size and strength, the former being usually the smaller of the two, and containing less of the particular drug. because it is used per rectum, where it is far more effective than when used per vaginam. I am, however, in the habit of using the smaller size only, because it is quite sufficient for the purpose in question, and will carry all that is required, while there is less to come away in the shape of discharge. The only difference, then, that is necessary between the vaginal and rectal suppository, is in regard to the amount of drug employed, and, as a rule, the rectal suppository should not be more than one quarter or one third the strength of the vaginal.

Action.	Ingroduent.	Strength.
Purgative	Aloine (with Soap)	1 gr.with 5 grs. of soap.
Anodyne	Belladonna	1, 1, to 2 grs.
Cicatrizing &	Bismuth, Oxide	10 grs.
Do.	Borax	15 grs.
Astringent	Copper, Acetate of	

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Action.	Ingredient.	Strongth.
Purgative Emmenagogue	Elaterium Ergot	½ gr. mij oil.
Astringent and Anodyne	Gall and Opium	5 grs , & 1 gr.
Purgative	Gamboge	5 grs.
Anodyne	Henbane	
Alterative	Iodoform	1 gr.
Astringent	Iron Alum	3 grs.
Cholagogue	Podophyllin	1 gr.
Anthelmintic	Santonine	5 grs.

#### SYRUPUS.

Composed of sugar 5 lbs., water 2 pints.

Action.—Laxative, but used chiefly to sweeten nauseous medicines.

TABACI FOLIA. The dried leaves of Nicotiana Tabacum. Tobacco leaves.
Used in this form only for inhalation.

Action.—Emetic: expectorant: narcotic: sedative.

Enema Tabaci

Composed of tobacco 20 grs., boiling water 8 fl.oz. Action.—Sedative; narcotic.

Vinum Tabaci. Ph. Edin. Composed of tobacco 2½ oz., sherry 2 pints. Action.—As above. Dose.—For an adult, mx to f3:s.

TAMABINDUS. The preserved pulp of the fruit of Tamarindus Indica. Tamarind tree.

Action.—Laxative; refrigerant.

Dose. —For an adult, f3j; to f5j.

For a child a year old, 3ss.

Tamar Indien.

A French preparation made in the form of a lozenge, which is extremely valuable in cases of habitual constitution. It is rold in hoxes, and directions for use are furnished with each.

TANACETUM VULGARE. Common tangy.

This is used in making tansy tea by infusing 2 oz. of the berb in a pint of boiling water. The dose for an adult is f3j to f3ij; for a child, f3j to f3ij. It is by many regarded as very efficacious as a tonic and anti-chuintic.

Action, - Aromatic latter tonic.

Incompatible with the salts and preparations of iron.

TABAXACI RADIX. The fresh and dried root of Taraxacum Dens Leonis Dandelion.

Action.—Alterative: duretic; laxative. Having a special action upon the liver.

Decoctum Taraxaci.

Composed of 1 oz. of the root with 1 pint of water.

Action.—As above.

Dose. - For an adult, f3ij to f3iv.

For a child a year old, f5j to f5ij.

Incompatibles.—Nitrate of silver, acctate of lead, calomel, corresive sublimate, sulphate of iron, and astringent infusions.

Extractum Taraxaci.

The juice expressed from the root and evaporated.

Action.—As above.

Dose.-For an adult, 5 to 10 or 20 grs.

Succus Taraxaci.

Composed of 3 parts of the expressed juice of taraxaoum with 1 of rectified spirit.

Action .- As above.

Dose. - For an adult, f3j to f3ij.

For a child a year old, my to mviij.

TEREBINTHINA CANADENSIS. The turpentine obtained from the stem of Abies balsamea.

Used chiefly in the preparation of the Charta Epispastica and Collodium Plexile.

Dose .- For an adult, 5 to 10 grs.

TEREBINTHINA. Turpentine. Obtained from Pinus palustris.

Action.—Anthelmintic; diaphoretic; diuretic; stimulant. Externally, rubefacient.

Oleum Terebinthinæ. The oil distilled from the

Action .- As above.

Dose.—For an adult, mx to f3ss. or f3ss. in emulsion. The latter doses as an anthelmintic.

One drachm of mucilage, or 30 grs. of acacia, will emulsify half a drachm of turpentine in 1 oz. of water.

Confectio Terebinthing.

Oil of turpentine 1 fl.oz., liquorice 1 oz., honey 2 oz. Action.—Anthelmintic: atumulant: duretic.

Dose. - For an adult, 60 to 120 grs.

Enema Terebinthine.

Oil of turpentine I fl.oz., mucilage of starch 15 fl.oz. Action.—Anthelmintic; stimulant.

Linimentum Terebinthinæ.

Soft soap 2 oz., camphor 1 oz., oil of turpentine
16 fl.oz.

Action.—Rubefacient: stimulant.

Linimentum Terebinthinæ Aceticum.

Composed of oil of turpentine, acetic acid, and camphor liniment, of each 1 fl.oz.

Action.—As above.

Unguentum Terebinthing.
Composed of oil of turpentine 1 fl.oz., resin 60 grs., yellow wax  $\frac{1}{2}$  oz., lard  $\frac{1}{2}$  oz.

Action.—Rubefacient; stimulant.

THEA BOHEA and THEA VIRIDIS. Tea Plant.

Action.—Stimulant.

Dosc.—Ad libitum, as an infusion.

THERIACA. The uncrystallized residue of the refining of sugar. Treacle. Sp. gr. about 1.40. Action.—Demulcent; slightly laxative. Dosc.—Ad libitum.

TRUS AMERICANUM. The concrete turpentine of Pinus tasds. Common Frankincense. Action.—Rubefacient; stimulant. Only used externally.

Emplastrum Thuris. Ph. Dub. Composed of litharge plaster 2 lbs., frankincense 1 lb., red oxide of iron 3 cs. Action.—Rubi-facient; stimulant. TORNESTILLA. The root of Potentilla termentilla. Ph. Lond. Common Tornsentil.

Action .- Astringent tonic.

Dose.—For an adult, 30 to 60 grs. of the powder. Incompatible with the salts and preparations of iron, alkalis, and lime-water.

Decoctum Tormentille. Ph. Lond.
Tormentil 2 oz., water 14 pint, boiled to a pint.
Action.—As above.
Dosc.—For an adult, f3j to f3ij.
For a child a year old, f3j.
Incompatibles.—As above.

TRAGACANTH. A gummy exudation from the stem of Astragalus verus. Tragacanth.

Action.—Demulcent. Useful chiefly for suspending heavy and insoluble medicines.

Dose.—For an adult, 10 to 30 grs.

For a child a year old, 1 to 3 grs.

Mucilago Tragacanthæ.
Composed of tragacanth 60 grs., water 10 fl.oz.
Action.—As above.
Doss.—Ad libitum.

Pulvis Tragacanthæ Compositus.

Composed of tragacanth 1 oz., gum acaciæ 1 oz., starch
1 oz., sugar 3 oz.

Action.—Demulcent.

Doss.—For an adult, 20 to 60 grs.

For a child a year old, I to 8 grs. Incompatibles.—All the preparations of tragacanth are decomposed by the acetate of lead, sulphate of copper, nitrate of mercury, and chloride of tin.

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TRITICUM REPENS. Dog's Grass.

The Infusion of this plant (composed of 1 cs. of the dried and cut stem to a pint of boiling water) has been strongly recommended in cases of irritable bladder. Its effects are allied to those of Buchu, but more efficacious. Its action is that of an alterative and diuretic.

TUSSILAGO. All parts of the plant Tussilago farfara. Coltsfoot.

Action.—Demulcent.

Decoctum Tussilaginis.

1 or 2 oz. of the plant boiled in 1 or 2 pints of water.

Action.—Denulcent.

Dose.—For an adult, f3ij to f3iv, or ad libitum.

This is a very agreeable old-fashioned remedy for irritable and troublesome coughs.

VLMI CORTEX. The dried inner bark of Ulmus campestris. Elm Bark.

Action.—Demulcent, slightly astringent and bitter tonic; diuretic.

Decoctum Ulmi.
Elm bark 2½ oz., water 1 pint, boiled to a pint.

Action.—Demulcent, slightly bitter and astringent tonic; diuretic.

Dose.—For an adult, f3ij to f3iv.
For a child a year old, f3j to f3ij.

UVE. The ripe fruit of Vitis Vinifera. Raisins.
Action.—Demulcent; slightly nutritious.
Does.—Ad libitum.

UVE URSI FOLIA. The dried leaves of the Arctostaphylos Uva ursi. Bearberry leaves.

Action.—Astringent; tonic. Useful especially in certain renal affections where these actions are required.

Lose.—For an adult, 20 to 40 grs. of the powdered leaves.

Incompatibles.—The salts of iron and lead, nitrate of silver, tartar emetic, and infusion of yellow cinchons bark.

Infusum Uvæ Ursi. (Instead of Decoc.)
Composed of bearberry leaves & oz., water 10 fl.oz.
Action.—As above.
Dose.—For an adult, f3j to f3ij.
For a child a year old, f3j to f3ij.

Extractum Uvæ Ursi. Ph. Lond. A watery extract of the leaves. Dose.—For an adult, 5 to 15 grs.

VALERIANE RADIX. The root of Valeriana officinalis. Valerian root.

Action.—Antispasmodic; stimulant. Useful in hysterical and other nervous conditions, especially those of an enervating character.

Dose.—For an adult, 20 to 40 grs.

Infusum Valerianæ.
Composed of valerian 120 grs., water 10 fl.oz.
Action.—Actispasmodic; stimulant.
Dose.—For an adult, f5j to f5ij.
For a child a year old, f5j.

Tinctura Valeriane.

Composed of valerian 21 oz., proof spirit 1 pint. Action .- As above. Useful in hysteria.

Dose. - For an adult, f3ss. to f3ii.

For a child a year old, my.

Tinctura Valeriane Ammoniata. (Tinctura Valerianse Composita. Ph. Lond.)

Valerian 21 oz., aromatic spirit of ammonia 1 pint. Action .- As above, but rendered more powerful by the presence of ammonia. Useful in hysteria.

Dose. - For an adult, foss, to foj.

For a child a year old, mij. It is incompatible with acids, acidulous, earthy, and metallic salts.

VANILLA. The dried fruit of several species of Vanilla.

Pulvis Vanilla.

Can only be prepared by admixture with sugar: 1 part of vanilla to 5 of sugar.

Action. - Stimulant : approdisisc.

Dose. - For an adult, 60 grs., containing about 12 grs. of vanilla.

Tinctura Vanille. Ph. Boruss. Composed of vanilla 3 oz., rectified spirit 1 pint. Action.—Stimulant. It resembles halsam of Peru. and has aphrodisiac properties. Dost.-For an adult, f3es. to f3j.

VERATRIA. The alkaloid of Covadilla. Action.-Narcotic; sedative; but is selden given in-Acts also as a powerful purgative and ternally. emetic.

Dose. - For an adult, ? to 1 gr. in pill.

Unguentum Veratriæ.

Composed of veratria 8 grs., lard 1 oz., olive-oil \( \frac{1}{2} \) fl. dr. Action.—Irritant; stimulant.

VERATRI VIRIDIS RADIX. The dried rhizome of Veratrum viride. Green Hellebore.

Tinctura Veratri Viridis.

Green hellebore root 4 oz., rectified spirit 1 pint. Action.—This is a powerful arterial sedative and purgative, also emetic. It lowers the pulse and respiration, and produces faintness and depression.

Dosc.—For an adult, my to mxx.

#### VERATRUM ALBUM. White Hellebone.

Vinum Veratri.

Composed of white hellebore 8 oz., sherry 2 pints. Action.—Stimulant; alterative. Is recommended as a substitute for colchicum in gout and rheumatism. Dose.—For an adult, mx to mxx, or in larger doses as an emetic and cathartic. It is also a narcoticoacrid poison.

VINUM XERICUM. Sherry. A Spanish wine. Action.—Stimulant.

Vinca Major.

A very valuable astringent, specially useful in cases of menorrhagia and uterine homorrhage. The best form is the following:—

Extractun Vincæ Major Liquidum. Dosc.—For an adult, f3j to f3ij.

VIOLA. All parts of the plant of Viola odorata.
Violet.

Syrupus Violæ. Ph. Lond.

Composed of violets 9 oz., water 1 pint, sugar 3 lbs., rectified spirit 2½ fl.oz.

**Dose.**— $f_{3s}$ , to  $f_{3j}$ . Is only used as a laxative in early infancy.

ZINCUM. Zn. Zinc. Eq. 32.5.

Zinci Acetas.

Prepared by the action of acetic acid on carbonate of zinc. ZnO,C,H,O,,2 HO.

Action.—Astringent; tonic; emetic.

Doss.—For an adult, 1 to 2 grs. as a tonic; 10 to 20 grs. as an emetic.

Incompatibles.—Alkalis and alkaline carbonates, lime water, acetate of lead, nitrate of silver, and the various vegetable astringents.

Zinci Carbonas.

Prepared by the action of carbonate of soda on sulphate of sinc. ZnO,CO<sub>2</sub> ZnO,3HO.

Action. - Tonic.

Dose.—For an adult, 1 to 5 or 10 grs.

Zinci Chloridum. ZnCl.

Prepared by the action of hydrochloric acid and chlorine gas on granulated and carbonate of sinc.

Action.—Externally, caustic. It is useless internally,

and is moreover dangerous.

Liquor Zinci Chloridi.

Prepared by the action of hydrochloric acid on zinc, and subsequent addition of chlorine gas.

Action.—Disinfectant. The basis of Sir W. Burnett's "Disinfecting Fluid."

Zinci Lactas.

Prepared by dissolving zinc in dilute lactic acid. Action.—Tonic; anti-pasmodic. Useful in epilepsy. Said to be more easily digested than other preparations of zinc.

Dosc.—For an adult, 2 to 5 grs.

Zinci Oxidum. ZnO.

Prepared from the carbonate by the application of heat.

Action.—Tonic. An excellent absorbing powder to excertations.

Dose.—For an adult, 2 to 5 or 10 grs. in pill or powder. Incompatibles.—Acids, acidulous salts, and alkalis.

Unguentum Zinci.

Composed of oxide of zinc 80 grs., benzoated lard 1 cz. Action.—Emollient.

Zinci Phosphas.
Action.—Nervine; tonic.
Dosc.—For an adult, 2 to 5 grs. in pill, or solution with dilute phosphoric acid.

Zinci Sulphas.

Prepared by the action of sulphuric acid on granulated sinc. ZnO, SO,, 7HO.

Action .- Astringent : emetic : tonic. Useful in various spasmodic or convulsive nervous diseases, as chorea, epilepsy, &c., but is suitable only in cases of a plethoric habit. Useful, also, as a local astringent. Solid sticks of the anhydrous sulphate of zinc are made for local use, and are very efficacious when applied to the cervix uteri in certain forms of chronic uterine leucorrhoes. Dose. - For an adult, 1 to 3 grs.; as an emetic, 10

to 30 grs.

Incompatibles. - Alkalis and their carbonates, earths. sulphurets, acetate of lead, intrate of silver, chloride of barium, and astringent vegetable infusions.

Zinci Valerianas.

Prepared by the action of valerianate of sods on sulphate of zinc. ZnO, C10H2O2.

Action. - Antispasmodic, tonic. Useful in hysteria. and in various spasmodic or convulsive diseases.

Dose.—For an adult, 1 to 3 grs.

ZINGIBER. The scraped and dried rhizome of Zingiber officinale. Ginger.

Action. - Aromatic carminative: stimulant. Useful in some forms of dyspensia accompanied by flatulence. Dose. - Of the powder for an adult, 10 to 30 grs.

For a child a year old, 1 gr.

Syrupus Zingiberis.

Strong tincture of ginger 6 fl.drs., syrup 19 fl.oz.

Action .- As above.

Doss .- For an adult, f3ss, to f3i, or more.

For a child a year old, mx.

Tinctura Zingiberis.
Composed of ginger 2½ oz., rectified spirit 1 pint.
Action.—As above.
Dose.—For an adult, mxv to f5ss. or f5j.
For a child a year old, mij.

Tinctura Zingiberis Fortior.
Composed of ginger 10 oz., rectified spirit q. s. to make a pint by slow percolation.
Action.—As above.
Dosc.—For an adult. my to mxx.

Gingerine.
The active principle of ginger.
Action.—As above.
Dose.—For an adult, 1 gr. to 2 grs.

# PART II.

# CLASSIFICATION OF REMEDIES ACCORDING TO ACTION.

			7	Y G E			2	LGE
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# PART III.

#### ON THE ART OF PRESCRIBING.

The following rules to be observed in regard to the Art Prescribing will, I think, be found useful to the practitioner, as indicating the "principles of medicinal combination" which should guide him in the selection of remedies, so as the more efficiently to secure the object sought for. The rules are culled from Dr. Paris "Pharmacologia," and I have added some examples in illustration of each.

## 1. To promote the Action of the Basis.

I. By combining several different forms or preparations of the same substance. As, for example, in administering tinctures and infusions of the same drug.

II. By combining the basis with substances which are of an analogous nature—i.e., which are individually capable of producing the same, or kindred effects, but with less energy than when in combination with each other. For example, krameria and logwood; æther and camphor; henbane and belladonna; rhubarb and cologynth, &c.

III. By combining the basis with substances of a different nature, and which do not exert any chemical influence upon it, but are found by experience, or inferred by analogy, to be capable of rendering the stomach, or system, more susceptible of its action. As examples may be instanced quassia with steel, tartar emetic with sulphate of magnesia, ipecacuanha and antimony. &c.

3. To correct the Operation of the Basis, by obvicting any unpleasant effect it might be likely to occasion, and which would prevent its intended action, or defeat the object of its exhibition.

, I. By chemically neutralizing or mechanically sepa-

rating the offending ingredient.

II. By adding some substance calculated to guard the atomach, or system, against its deleterious effects. For example, henbane and podophyllin, cinnauda and aloes, soap and colceynth. &c.

#### To obtain the Joint Operation of two or more Medicines.

I. By uniting those medicines which are calculated to produce the same ultimate results, but by modes of operation totally different. Examples are seen in the actions of ipecacuan and squills; digitalis and squills; catechu and chalk mixture; acid and bark, &c.

II. By combining medicines which have different powers, and which are required to obviate different symptoms, or to answer different indications. For example, myrrh and aloes; opium and logwood; sulphate of iron and sulphate of magnesia, &c.

## To obtain a New and Active Remedy, not afforded by any single substance.

I By combining medicines which excite different actions in the stomach and system, in consequence of which new or modified results are produced. Examples of this are seen in the combination of opium and antimony; opium, nitrate of potash, and ipecacuanha; gentian and senna, &c.

II. By combining substances which have the pro-

party of acting chemically upon each other; the results of which are—

(a) The formation of new compounds—for instance, lemon juice and carbonate of soda; acetic acid and ammonia, &c.

(b) The decomposition of the original ingredient, and the development of its more active elements—as in adding spirit to dry aconite leaves, citric acid to bicarbonate of potash, &c.

III. By combining substances between which no other change is induced than a diminution or increase in the solubility of the principles in which their medicinal virtues reside.

(a) By the intervention of substances that act chemically, such as acetic acid and acetate of lead; sulphuric acid and sulphate of magnesia; acetic acid and acetate of morphia, &c.

(b) By the addition of ingredients whose operation is entirely mechanical. For example, nucleage and bismuth; yolk of egg and castor oil; sulphate of potash and scammony, &c.

#### 5. To afford an eligible Form.

I. With reference to its efficacy. As in administering peppermint-water and carbonate of ammonia.

II. With regard to its taste or appearance. As for example, orange-peel and turpentine; ginger and liquor potasse; syrup and sulphate of magnesia.

III. In regard to consistence or equable mixture. As when water is added to various mixtures; soap to mercury, &c.

IV. Lastly, with reference to preservation. Examples of this are seen in the addition of spirit of wine (timetures) to infusions, &c.

# PART IV.

#### POISONS AND THEIR ANTIDOTES.\*

## 1. Acide.

# (Mineral.)

Magnesia with milk. Chalk (or whitening) with milk. Scapsuds. Diluted solution of carbonate of soda. Almond, clive, or lamp oil.

The above also applies to poisoning by the sulphate

of indigo.

# (Vegetable.)

Chalk (or whitening) with water.

This also applies to poisoning by the oxalate of potash.

# 2. Alkalis.

Vinegar and water, equal parts. Water, acidulated with acetic or pyroligneous acid. Sour beer. Aqueous solutions of citric acid. Lemon, orange, or lime juice. Almond, olive, or lamp oil.

# 3. Antimony.

Solution of tannic acid. Astringent decoctions (as of tea, nut-galls, cinchona, oak-bark, pomegranate, tormentilla, or uvæ ursi). Astringent tinctures (as of

This table, with certain modifications, is adopted from Pereira's "Elements of Materia Medica,"

cinchona, catechu, or kino) diluted with water. Astringent extracts dissolved in water.

The above apply to the case of poisoning by tartar emetic; but for the sesquichloride or butter of antimony, the proper antidotes are—Magnesia with milk. Chalk (or whitening) with milk. Soapsuds. Diluted solution of carbonate of soda.

#### 4. Arsenic.

For arsenious acid, a mixture of oil and lime-water, or milk and lime-water. Light magnesia mixed with water. For the arsenites, gelatinous hydrated sequioxide of iron, or a mixture of tinot. of sesquichloride of iron or persulphate of iron, supersaturated by carbonate of ammonia. Ferri sesquioxydum (ferricarbonas) mixed with water. For arsenic acid, purified animal charcoal. Common animal charcoal. Ivory black.

#### 5. Barytic Salts.

Solution of sulphate of magnesia; sulphate of soda; or alum. (For carbonate of baryta, a mixture of sulphate of magnesia and vinegar diluted.—A.S. Taylor.)

#### 6. Copper.

White of egg diffused in water Yolk of egg diffused in water. Milk. Wheat flour mixed with water.

#### 7. Earths.

#### (Caustic Lime.)

Carbonic acid—the most-convenient form being a bottle of sods water.

#### 8. Hydrocyanic Acid and Preparations containing it.

Carbonate of ammonia and water to be swallowed. Diluted ammonia to the nostrils. Artificial respiration of air impregnated with the vapour of ammonia. Dissolve 10 grafts of sulphate of iron in one onnee of water, and add one drachm of tinct. sesquichloride of iron; to this solution add one scruple of carbonate of potass, previously dissolved in one or two ounces of water; administer the mixture immediately. A few drops of a solution of chlorine, ornitro-hydrochloric acid mixed with water, to be introduced into the stomach.

The above applies also to poisoning by the preparation of cyanogen.

#### 9. Iodine.

Decoction of starch (wheat-starch, arrow-root, or tapioca). Flour and water. Boiled potatoes. Bread.

#### 10. Lead.

See Barytic salts. (For carbonate of lead, a mixture of sulphate of magnesia and vinegar diluted.—A.S. Taylor.) A solution of sulphuretted hydrogen, or Hairogate water, to be drunk. Painters, workmen in lead factories, and others whose skin is impregnated with lead, should employ, as a sulphuretted bath, a solution of four ounces of sulphuret of potassium in thirty gallons of water.

#### 11. Mercury.

White of egg diffused in water. Yolk of egg diffused in water. Milk. Wheat-flour mixed with water. A mixture of two parts of finely divided iron (filings) and one part of zinc.—(Bouchardat.)

#### 12. Oplum.

Solution of tannic acid. Astringent decections (as of tes, nut-galls, cinchons, cak-bark, pomegranate, termentilla, or uva ursi). Astringent tinctures (as of cinchona, catechu, or kino) diluted with water. Astringent extracts dissolved in water.

The above applies not only to poisoning by opium, but also to all the poisonous vegetable alkaloids and their salts, and to vegetables whose active principles are alkaloids, such as belladonna, hyoscyamus, stramonium, colchicum, veratrum, &c.

#### 13, Silver.

Common salt dissolved in water. Sea-water. White of egg diffused in water. Yolk of egg diffused in water. Milk. Wheat-flour mixed with water.

#### 14. Sulphuretted Hydrogen and Sulphurets.

Air slightly impregnated with chlorine to be inhaled. For poisoning by the hydrosulphuret of ammonias (sulphuret or sulphide of ammonium), a dilute solution of chloride (hypochlorite or chlorinated) of soda to be swallowed.

For the sulphuret of potassium, dilute solution of chloride (hypochlorite or chlorinated) of lime to be swallowed.

#### 15. Tin.

White of egg diffused in water. Yolk of egg diffused in water. Milk. Wheat-flour mixed with water. Magnesis with milk. Chalk (or whitening) with milk. Sospsuds. Diluted solution of carbonate of sads.

#### 16. Zinc.

White of egg diffused in water. Yolk of egg diffused in water. Milk, Wheat-flour mixed with water, Magnesia with milk. Chalk (or whitening) with milk. Soapsuds. Diluted solution of carbonate of soda.

#### PART V.

#### ALPHABETICAL LIST OF THE SPAS OF

Achselmannstein, in Bavaria. Climate mild and agreeable. Water briny, aperient, and slightly chalybeate. Contains about 1800 grains of chloride of sodium in a pint, with the sulphates of soda, lime, and potash. Useful in chronic skin diseases and uterine engorgement.

Adelheidsquelle, at Heilbrunn, in Bavaria; 2000 feet high. Water contains a good deal of chloride of sedium with salts of iodine and bromine. Useful in chronic glandular enlargements, scrofula, &c; also in chronic uterine enlargements. Is imported in bottles.

Airthrey, Bridge of Allan, Scotland. Water contains a good deal of alkaline sulphates, especially magnesia. Hence is aperient, and useful in chronic internal congestions.

Aix-la-Chapelle, in Rhenish Prussia. Climate mild. Water contains chloride of sodium 24 grains to a pint, sulphate and carbonate of sode and potast, and traces of iodine and bromine with iron. Useful in chronic skin disease, congestion of liver, chronic rheumatism, syphilis, &c.

Aix-les-Bains, in Savoy. Climate mild. Water contains small quantities of alkaline and earthy sulphates, and enjoys great repute for chronic rheumatism, gout, and sciatica.

Aldfield, in Yorkshire. Water slightly alkaline and sulphurous. Useful in chronic skin disease, rheumatism, and gout.

Alet, at Aude, in France. Water mildly chalybeate. Useful in anæmia and other debilitated conditions. Is imported in bottles.

Alexandersbad, in Bavaria, 1800 feet high. Climate rather severe. Water chalybeate and saline, with a good deal of free carbonic acid gas. Rather stimulating. Useful in anæmia and chlorosis.

Altwasser, in Prussian Silesia, is charmingly situate. Water alkaline and chalybeate, strongly gaseous. Useful in debility.

Apollinaris, at Neuenahr, in Germany. Charming scenery; mild climate. Water alkaline, gaseous. Useful in gout and rheumatism; also for internal congestions, especially of the pulmonary mucous membrane. Is imported in bottles.

Arnstadt, in Germany, near Erfurt. A powerful brine spring. Contains upwards of 1800 grains of chloride of sodium in a pint, with chlorides of lime and magnesium. Useful, in scrofula, for baths.

Ashby-de-Ia-Zouche, in Leicestershire. Similar to, but less strong than, the foregoing.

Auteuil, Seine, in France. A mildly chalybeate spring. Useful in debility with ansemia.

Baden, near Vienna. A mildly saline and sulphurous spring, slightly gaseous. Useful in chronic rheumatism, cutaneous disease, and internal congestions.

Baden-Baden. Climate mild, with lovely scenery. Water alkaline, containing about 24 grans in a pint, chiefly chloride of sodium. Useful in chronic rheumatism and gout. Thermal.

Bagneres-de-Luchon, in the South of France. About 2000 feet high, with charming scenery. Water chalybeate, with manganese. Thermal. The temperature ranging from 60' to 150° F. Useful in chronic skin disease and glandular enlargements.

Baréges, in the Hautes Pyrénées, France. About 4000 feet high. Water thermal, 86° to 110° F., strongly sulphureous. Useful in chronic skin diseases, glandular enlargements, and rheumatism. Is imported in bottles.

Bath, in Somersetshire. Water thermal, 88° to 199°. Alkaline, slightly aperient. Useful in chronic rheumatism.

Berka, in the Duchy of Saxe-Weimar. A sulphurous mildly alkaline spring. Useful in chronic rhaumatism.

Birmenstorff, in Switzerland. A bitter, saline, aperient water, containing sulphates of lime, magnesia, and soda.

Bocklet. A spring near Kiesingen. Pleasantly situate. Water briny, sulphureous, and slightly aperient. Gaseous. Temp. 50°. Useful in diseases of the female generative organs of a congestive kind.

Bonnes, in the Basses-Pyrénées, France. About 2000 feet high. Climate bracing. A mildly alkaline, sulphureous spring. Useful in scrofula and as an alterative. Is imported in bottles.

Borcette, near Aix-la-Chapelle, contains two hot sulphureous springs, with free sulphuretted hydrogen. Temp. 110° to 170° F. Used as baths for chromo skin diseases, rheumatism, &c.

Boscombe, near Bournemouth, in Hampshire. A mildly chatybeate spring, with free carbonic acid gas. Useful in debility.

Brighton, Sussex. Chalybeate, containing 1 gr. of iron in a pint. Gaseous. Useful in ansemia, chlorosis, and debility.

Bristol, Gloucestershire. Alkaline, aperient, with sulphates of lime and soda. Gaseous. Thermal. 80° F.

Bussang, in the Vosges, France. Chalybeate. Gaseous. Useful where a tunic is required. Is imported in bottles.

Buxton, Derbyshire. Climate bracing. 900 feet high. Water very pure, slightly alkaline. Temp. 82° F. Useful in chronic gout and rheumatism, with hepatic derangement.

Carlsbad, in Bohemia. 1200 feet high. Water saline, aperient, alkaline. Gaseous. Contains 20 grains of sulphate of soda, and 10 each of carborate and chloride of sodium in a pint. Temp. 120° to 160° F. Useful in affections of the liver, with constipation, jaundiee, gout, rheumatism, &c. Is imported in bottles.

Cauteret, Hautes-Pyrénées, France. 3000 feet high. Climate mild. Water sulphureous, with iodine. Useful in chronic skin diseases, scrofula, &c.

Challes, Savoy. Resembles the foregoing, but is milder.

Charlottenbrunnen, in Silesia. 1500 feet high, with a mild and agreeable climate. A gaseous, chalybeate water. Useful in debility with ansemia, and for chronic pulmonary affections.

Chateldon, in France. A pleasant, acidulous, gaseous water. Makes an agreeable drink with claret. Is imported in bottles.

Cheltenham, Gloucestershire. Contains several springs of various composition—chalybeate, saline aperient, ioduretted and sulphuretted. All more or less gaseous.

Clifton, Gloucestershire. A mild, agreeable climate, with slightly saline springs.

Condillac, France. An agreeable, acidulous, geneous water. Forms a pleasant drink with light wine. Is imported in bottles.

Contrexville, in the Vosges, France. An alkaline, slightly chalybeate water. Useful in anæmia, chlorosis, &c. Climate very bracing.

Croft, Yorkshire. A saline aperient, sulphureous, with a good deal of sulphate of magnesia. Useful in chronic skin disease.

Dinsdale, Northamptonshire. A strongly sulphureous water, slightly aperient. Useful in chronic skin disease.

**Dorton**, Buckinghamshire. A very powerful gaseous chalybeate, containing nearly 12 grs. of sulphate of iron in a pint. Useful when diluted for chlorosis, ansemia, &c.

Driburg, in Westphalia. A powerful chalybeate, also saline and alkaline. Gaseous. Useful in debility, with constipation.

Droitwich, Worcestershire. Contains a good deal of chloride of sodium. Is too strong for internal use, but capital for salt baths.

Dumblane, Perthabire. Powerfully saline, especially in chloride of sodium and lime. Aperient, atterative. Useful in scrofula.

Rilson, in North Germany. Contains various sulphur springs, with sulphates of lime, sods, and magnesia. Aperient, alterative. Useful in constipation with hepatin derangement, goul, and rhoumatism.

Ems, in Nassau. Thermal, alkaline. Temp. 85° to 115°. Containing 20 grs. bicarbonate of soda in a pint. Useful in congestions and hypertrophies of internal organs, especially the uterus, liver, &c. Is imported in bottles.

Enghien, Montmorency, Paris. A powerful sulphureous water. Very useful in chronic cutaneous diseases, scrofula, and glandular enlargements.

Fachingen, in Nassau. An alkaline, gaseous, saline water, containing upwards of 30 grs. of bicarbonate of sods in a pint. Useful in gout and rheumatism, and to correct acidity, lithissis, &c.

Filey, Yorkshire. Saline, aperient. Contains upwards of 50 grains of chloride of sodium, sulphate of magnesia, &c. in a pint. Useful in chronic derangements of liver, dyspepsia, &c.

Franzenbad, in Bohemia. 1600 feet high. A saline, mildly chalybeate, and aperient water. Useful in chronic hepatic derangements. Contains about 80 grs. of sulphate of soda in a pint.

Friedrichshall, in Saxe-Meiningen. A bitter, saline aperient, similar in composition to the foregoing, but much stronger, and non-chalybeate. Contains nearly 60 grs. of sulphate of soda, 50 of sulphate of magnesia, and 75 of chloride of sodium in a pint. Useful us an aperient in constipation, with torpidity of liver. Is imported in bottles. Is best drunk warm.

Gainsborough, in Lincolnshire. A slightly chalveste saline.

Gastein, in Austria. 3000 feet high, beautifully situate, with a mild but bracing air. Water feebly saline. Well adapted for cases of nervous debility.

Gilsland, in Cumberland. Contains a strongly chalybeate and a sulphureous spring. Useful in debility and chronic skin disease.

Gloucester Spa. Bitter, aperient, and briny, containing about 70 grs. of sulphate and chloride of soda in a pint.

Harrogate, in Yorkshire. Contains chalybeate and sulphureous springs. Useful in chronic skin diseases, in rheumatism, and in debility with ansemis.

Hastings, in Sussex. Chalybeate, gaseous springs. Climate mild.

Hockley, near Southend, in Essex. Mildly aperient, saline.

Homburg, Germany. Slightly chalybeate, with good deal of chloride of sodium.

Horley Green, Yorkshire. Strongly chalybeate, saline.

Hovingdon, in Northumberland. Sulphureous, slightly alkaline.

Inverleithen, in Peebleshire. Saline, slightly briny.

Ischia, in Southern Italy. Thermal, saline. Temp. 160° F. Useful in chronic rheumatism and internal congestions, and for baths in skin diseases. izeful, in the Austrian Tyrol. 1400 feet high. Climate bracing. Water briny.

Kingswood, in Gloucestershire. Bitter, aperient, saline.

Kissingen, in Bavaris. Climate mild, with delightful scenery. Waters gently aperient, briny. Useful in chronic internal congestions. Is imported in bottles.

Kosen, in Saxony. Strongly briny, with a good deal of sulphate of lime. Useful for baths only.

Konigsdorff-Jastrzemb, in Upper Silesia. Chiefly briny, with other chlorides. Useful for various chronic glandular enlargements.

Krankenheil, in Bavaria. 2500 feet high. Climate bracing. Water feeble, chiefly sulphureous. Useful in chronic skin disease.

Kreuznach, in Rhenish Prussia. An iodobromated water. Useful in scrofula, syphilis, chronic rheumatism, and skin disease; also in chronic glaudular or other hypertrophic enlargements. Is imported in bottles, in mutter lye, and in the salt.

Kronthal, in Nassau. Climate mild. Water saline. Useful in chronic pulmonary affections.

Labassere, in the Hautes-Pyrénées. 1800 feet high. Water very feeble. Used chiefly for chrenic glandular enlargements.

Landook, in Prussian Silesia. A brasing climate. 1400 feet high. Water distinguished chiefly for its purity.

Langonbrucken, in Baden. Slightly alkaline. Useful in chronic rheumatism and vesical catarrh.

Learnington, in Warwickshire. Saline, aperient, and chalybeate. Useful in chronic rheumatism and hepatic derangements, dyspepsia, &c.

Leuk, in Switzerland. Bracing climate, upwards of 4000 feet high. Waters used chiefly for baths in chronic skin disease and glandular enlargements. Slightly aperient.

Lippik, in Solavonia. Slightly aperient, saline, alkaline. Said to be useful in hysteria. Thermal, 92°—115°.

Lippspringe, in Westphalia. Climatemild, with charming scenery. Water saline, feebly alkaline. Useful in chronic pulmonary compaints.

Lucca, in Central Italy. Resembles the foregoing.

Luhatschowitz, in Moravia. 1600 feet high. Climate mild, rather relaxing from moisture. Water strongly alkaline, briny. Useful in chronic pulmonary complaints, scrofula, and congestions of internal organs.

Malton, in Yorkshire, saline, chalybeate.

Malvern, in Worcestershire. Pleasantly situate, mildly bracing. Water pure, useful in various renal and vesical affections.

Mathock, in Derbyshire. Slightly chalybeate, greecoss, with small quantity of lime. Useful in cases of liver derangement, rheumatism, &c.

Marienbad, in Bohemia, 2000 feet high, with dry, bracing air. Saline aperient from sulphate and bicarbonate of soda, chloride of sodium, &c. Gaseous. Useful in disorders of digestive system, gout, &c. Imported in bottles.

Meinberg, in Germany. Saline, chalybeate, gaseous. Tonic.

Melksham, in Wiltshire. Saline, chalybeate.

Mergentheim, in Würtemberg. Lovely scenery, mild climate. Saline aperient, with sulphate and chloride of soda and magnesia. Useful in chronic hepatic derangement.

Moffat, in Dumfriesshire. Powerful chalybeate, sulphureous.

Mondorf, in Luxemburg. 2300 feet high; pleasantly situate. Strongly briny, containing 70 grs. of chloride of sodium, 25 grs. of chloride of calcium in 16 os. Useful in congestion of the gastro-pulmonary mucous membranes. Temp. 77° F.

Nenndorf, in Prussian Westphalia. Charming somery. Saline aperient, chiefly sulphates.

Neuenahr, in Ehenish Prussia. Pleasantly situate. Gaseous. Saline, chiefly carbonates. Useful in gout and rheumatism, with congestions of the mucous surfaces, especially the pulmonary.

Offen, in Hungary. Mildly saline aperient. Gaseevs. Useful in gout, rheumatism, and chronic hepatic derangements. Oresza, in Corsica. Strongly gaseous. Chalybeate, saline, chiefly carbonates. Forms an agreeable drink with or without wine at meals. Useful in dyspepsia, gout, and hepatic derangements, ansemia, and chlorosis. Is imported in bottles.

Ottilienquelle, near Paderborn, in Westphalia. Saline, chalybeate. Useful in debility, and derangements of the digestive system.

Pfaffers, in Switzerland. 2000 feet high. Alkaline. Galeous. Temp. 100° F. Useful in rheumatism and gout.

Pitkeathly, in Perthshire. Alkaline, chiefly chlorides. Useful in chronic rheumatism.

Plombières, in the Vosges, France. About 1300 feet high. Mildly alkaline. Useful in gout, rheumatism, and derangements of the digestive system, and congestions of the female pelvic organs. Imported in bottles.

Pougues, in France. Alkaline, slightly chalybeate and gaseous. Useful in chronic, renal, and vesical affections.

Pullna, in Bohemia. A bitter saline aperient, resembling Friederichshall. Contains about 2 drms. of sulphate of sods, and 1½ drs. of sulphate of magnesia in 16 oz. Useful in constipation, with hepatic congestion. Imported in bottles.

Purton, in Wiltshire. A gaseous iodo-bromated water, with magnesium, sulphate of sods and magnesia.

Pyrmont, near Waldeck, in Westphalia. Charmingly situate. Saline aperient, slightly chalybeate. Gaseous. Useful in chlorosis and ansemia, with constipation, atonic dyspepsia, and debility. Imported in bottles.

Recoaro, in Venetia, 1500 feet high. Climate bracing, but mild. Chalybeate, saline aperient. Uses same as Pyrmont.

Reichenhall, in Bavaria, 1500 ft. high. Climate bracing. Water briny. Useful in scrofula and other debilitated conditions, for bathing.

Rippoldsau, in Baden, 1900 feet high. Climate bracing. Chalybeate, alkaline, slightly aperient, gaseous. Useful in ansemia, chlorosis, and other debilitating conditions.

Saint Galmier, in France. Feebly alkaline, gaseous. Useful chiefly as a drink with light wines. Similar to Seltzer.

Saint Moritz, in the Engadine, Switzerland. 5500 feet high. Charming scenery, air bracing, strong. Water feehly alkaline, chalybeate. Useful in various atonic conditions.

Sandrock, Isle of Wight. Powerfully chalybeate, aluminous. Contains about 42 grs. sulphate of iron, 32 grs. sulphate of alum, in a pint. Too strong for drinking unless diluted. Used for baths in conditions of debility.

Scarborough, in Yorkshire. Saline aperient, slightly chalybeate. Useful in atonic conditions with anomia.

**Schinsnach**, in Switzerland, 1500 ft. high, beautifully situate. Powerfully sulphureous, saline aperient. Temp. 95°F. Useful in chronic skin diseases, rheumatism, &c.

Schlangenbad, in Nassau; 1090 ft. high. Climate mild, with pleasant scenery. Feebly alkaline, alterative. Baths highly recommended for the skin.

Schwalbach, in Nassau; 900 ft. high. Climate moist, rather relaxing. Feebly alkaline, chalybeate, gaseous. Useful in anæmia and debility. Imported in hottles.

Schwalheim, in Hesse Cassel. Gaseous. Used chiefly for drinking with light wines.

Scidlitz, in Bohemia. Bitter, saline aperient. Chiefly sulphiate of magnesia, soda, and lime. Useful in constipation.

Selters, in Nassau; 800 feet high. Alkaline, gaseous. Imported in the form of Seltzer water.

Shap, in Westmoreland. A saline spring, containing 25 grs. of chloride of calcium in a pint. Useful in scrofula, and to promote absorption.

Shotley, in Northumberland. Chalybeate, alterative, strong in chloride of calcium and sodium. Useful in debility.

Scultzmatt, in France. A gaseous, very feebly swline water. Used chiefly as a drink with light wines.

Spa, in Belgium. 1000 feet high. Strongly chalpheate, gaseous. Useful in ansemia, chlorosis, and debility. Imported in bottles.

Strathpeffer, in Ross-shire. Saline aperient and sulphureous. Useful in scrofula, chronic skin diseases, gont, and rheumatism.

Tarasp, in Switzerland. 4300 feet high. Charming scenery in the Lower Engadine. Bitter saline aperient, with iodides and chlorides. Useful in chronic internal engorgements, rheumatism, gout, and skin diseases.

Tchitli, in Turkey. An alkaline spring, chiefly bicarbonate of soda, with traces of other carbonates and iron. Useful in lithiasis and allied conditions.

Toplitz, in Bohemia. Alkaline, saline. Temp. 70° to 120° F. Chieffy used for baths. There are also mud baths. Specially recommended for chronic rheumatism, gout, &c.

Tunbridge, in Kent. Chalybeate, gaseous. Useful in debility, anæmia, chlorosis, &c.

Tynemouth, in Northumberland. Chalybeate.

Vals, in France. Alkaline, slightly chalybeate, gaseous. Useful in lithiasis, rheumatism, gout, dyspepsia, &c.

"Weilbach, in Nassau. A mildly sulphureous water, gaseous. Recommended for certain pulmonary sections, gout, chronic rheumatism, and derangements of the liver.

Vernet, in the Eastern Pyrenees. Feebly saline, alkaline. Thermal. Temp. 50° to 130° F.

Vichy, in France. Beautifully situate, 800 feet high. Similar to the foregoing, but rather more depressing. Useful in the same conditions. Victoria, at Stratford in Essex. Bitter saline aperient, slightly sulphureous, contains nearly 14 drs. of sulphate of soda in a pint. Useful in gout, constipation, and hepatic diseases.

Whitby, in Yorkshire. Mildly chalybeate. Useful in debility, especially in conjunction with the bracing climate.

Wiesbaden, in Nassau. Saline, alkaline, gaseous; chiefly chloride of sodium and calcium. Temp. 160° F. Baths very useful in chronic theumatiam, gout, and some skin diseases.

Wildbad, in Würtemberg. Pleasantly situate 1300 feet high. Feebly alkaline. Useful in rheumatism, gout, &c.

Wildungen, in Waldeck. Alkaline, slightly chalybeate. Useful in cases of debility and for conditions of lithiasis.

Winfred, at Holywell, in Flutshire. A spring of almost perfectly pure water. Useful in chronic dyspecia and certain renal affections.

Woodhall, in Lincolnshire. A powerful iodobromated water, with earthy and alkaline chlorides. Gaseous. This is the most powerful water of its kind in Europe. Useful in scrofula, syphilis, and chronic rheumatism. May be obtained in bottles.

#### PART VI.

#### CLASSIFIED LIST OF THE SPAS OF EUROPE.

#### 1. Alkaline Acidulous Springs.

The principal ingredients in these springs are carbonic acid and bicarbonate of soda. The most important are those of Vichy 53° to 110°; Fachingen 50°: Geilnau 50°; and Bilin 53°.

The springs of Preblau, in Carniola, of Fellathal in Illyria, the Apollinariabrunnen 70°, Marieusprudel 102°, and Victoriaquelle of Neuenahr, and the brine springs of Neuheim, in Hesse, belong also to this

#### 2. Muriated Alkaline Acidulous Springs.

These waters contain, in addition to carbonic acid and bicarbonate of soda, a considerable quantity of chloride of sodium. The chief springs are-those of Ems, 85° to 117°; Selters, in Nassau; Luhatsohowitz, in Moravia; which, besides containing a very large propertion of the above ingredients, contain no inconsiderable amount of iodides and bromides; the springs of Salzbrunn; the Roisdorf, in Rhenish Prussia; and the spring of Sinzig, in the valley of the Ahr. All these waters, except those of Ems, are cold.

For this Pert I am indebted to Dr. Althaus' valuable work on "The Spas of Europe." It will be observed that some springs are mentioned here which are not in the alphabetical list, and vice versă. The groups here classified are to be taken only as specimens of the more important of each class; others will be found in the alphabetical list.

#### 3. Alkaline Saline Waters.

Bicarbonate and sulphate of soda are the chief ingredients of this class. The springs of Marienbad 43° to 53°; of Tarasp and Scuols, in Lower Engadine, 37°; the Theresienbrunnen of Rohitsch, in Styrua 48° to 52°; of Carlsbad from 117° to 162°; of Bertrich, near Coblentz, 90°; and the Trinkquelle of Ofen (Buda), 140°, are the principal springs. It must be remembered that there are important differences in the chemical compositions, as well as the temperature of the several springs at Marienbad and Carlsbad.

#### 4. Bitter Waters.

The principal ingredients are the sulphates of soda and magnesia. These springs vary much in composition, and therefore in their action. The most important are those of Pullus, Seditz, Saidschütz, Gran, in Hungary, Friedrichshall, near Coburg, Kissingen, Leanington, and two other English springs of great value, though seldom used—namely, the Purton Spa, near Swindon, in Wiltshire, and the Cherry Rock, near Kingswood, in Gloucestershire, both of which contain a good deal of carbonic acid, and are therefore more agreeable.

#### 5. Simple Muriated Waters.

The characteristic element in these waters is the large amount of chloride of sodium which they contain. The principal springs are those of Wiesbaden 155°; Bourbonne-les-Bains 149°; Dipso and Thermia, in Greece, 88° to 162°; Soden in Nassau, Mondorf, near Luxembourg, and Canstatt, near Stuttgardt, both from 70° to 80°; Kronthal, near Frankfort, 55° to 62°; Kissingen 50°; Homburg 52°;

and Cheltenham 50°. Nearly all these springs contain in addition free carbonic acid.

#### 6. Muriated Lithia Waters.

The springs of Baden-Baden, which are much sought after in gout.

#### 7. Brines.

These springs contain so large a quantity of chloride of sodium that their chief use is for bathing. Those of Rehme, in Westphalia, and Nauheim, in Hesse, are the most sought after; the former is cold, the latter has a temperature of from 75° to 100°. The brines of Achselmannstein, in Bavaria; of Arnstadt, near Weimar; of Ischl, in the Austrian Salzkammergut; Hall, near Innspruck; Jaxtfeld, in Würtemberg, which is very powerful; and Wittekind, near Halle, are the more important of this class.

#### 8. Iodo-Bromated Muriated Springs.

The chief ingredients in these springs are chloride of sodium, todide of sodium and bromide of magnesium. The waters of Kreuznach 54° to 55°, Hall, and Dürckheim, are the most important. Besides these, the waters of Elmen, in Prussian Saxony; of Wildegg, in Switzerland; of Castrooraro, in the Tuscan Romagna; the Adelheidsquelle, in Heilbrunn, Bavaria; the springs of Krankenheil, near Tölz, in Upper Bavaria; of Zalzon, in Transylvania; of Montecatini, in Tuscany; and of Lippik, in Sclavonia, are very valuable; the two latter more especially, as being also of high temperature, viz., from 92° to 115°.

#### 9. Earthy Springs.

These contain sulphate and carbonate of lime, chloride of calcium and sedium, and carbonic acid. The most important are the springs of Wildungen, Leuk 123°, which contain a good deal of carbonic acid, Lippspringe, Weissenburg 52°, Bath, Lucca 116°, and Pisa 117°.

#### Indifferent Thermal Springs.

These waters contain but few salts, and in small quantities, and are chiefly remarkable for their high temperature. Those of Gastein vary from 95° to 118°; the Hauptquelle, of Teplitz, is 120°; Wildbad, in Würtemberg, 110°; those of Warmbrunn, in Silesia, 95° 105°; of Pfäffers and Ragatz 100°; Clifton 85°; Buxton 82°; Plombières Landeck 83°; and Schlangenbad, in Nassau.

#### 11. Chalybeates.

#### a. Acidulous Chalybeates.

This class of mineral waters contain carbonate of the protoxide of iron, with carbonate of manganese and carbonic acid. The most important are the springs of Schwalbach, in Nassau; Spaa, in Belgium; Pyrmont, in the principality of Waldeck; Driburg, in Westphalia; Imnau, in Hohenzollern; the Cambray spring; and the springs of Altwasser, in Silesia.

#### b. Saline Acidulous Chalybeates.

These springs, in addition to the above, contain sulphate and carbonate of soda and lime, and obloride of sodium. Franzensbad, in Bohemia; Cudova, in Glatz; Petersthal and Rippolsau, in the Duchy of Baden; Elster, in Saxony; Bocklet, near Kissingen; Recearo, in Venetia; Reinerz, in Silesia; and Harrogate.

#### 12. Sulphurous Waters.

These contain sulphur, sulphurets of metals, and sulphuretted hydrogen, with a good deal of chloride of sodium. They occur as hot and cold springs; among the former the most important are the waters of Aixla-Chapelle 116° to 132°; Baden, near Vienna, 89° to 95°; the springs of Mehadia, in Hungary, 70° to 144°; of Baden, in Switzerland, 117° to 122°; of Aixles-Baina, or Aix-in-Savoy, 108° to 116°. In the Pyrenees we have the springs of Barèges, 87° to 113°; Bagnères de Luchon 130°; St. Sauveur 94°; Eaux-Chaudes; Cauterets; and Eaux Bonnes. As cold sulphurous springs there are those of Neudorf, in Electoral Hesse; of Eilsen, in Schaumburg-Lippe; of Meinberg, in Lippe-Detmold; of Harrogate; and lastly, the springs of Sandeford, on the coast of Norway.

#### POSOLOGICAL TABLE.

THE following Posological Table is taken from the Guy's Hospital Pharmacopecia. It is to be read as follows:—Suppose that the maximum dose of a given liquid is one fluid ounce, the dose for an infant one month old is thirty minims. If the substance be a solid, and the maximum dose is sixty grains, then the dose for an infant of a month old is three grains, and so on for the several ages stated. The maximum doses are given at the top of each of the three columns, and the doses for the different ages are opposite to those ages.

AGN.	MAXIMUM DOSS.				
paralleliteratura interestational solicitory speciagos, see and	-	One fluid	Sixty grains.	Twenty grains.	
One month Three months Six months Nine months Nine months One year Two years Three years Five years Six years Six years Six years Six years Eight years Ten years Twenty years Fifteen years Fifteen years Twenty years Twenty years Twenty years Sixty to seventy years Sixty to seventy years Sixty to seventy years Eighty to innety years Chesty to ninety years One hundred years		minims 40 minims 40 fl.dr j. fl.dr iss. fl.drs. iss. fl.drs. iss. fl.drs. ijs. fl.drs. ijs. fl.drs. ijs. fl.drs. ijs. fl.drs. vs. fl.drs. vs. fl.drs. vs. fl.drs. vj.	grs. 10 grs. 12 grs. 15	grs. 2 grs. 3 grs. 4 grs. 4 grs. 5 grs. 6 grs. 7 grs. 8 grs. 10 grs. 12 grs. 14 grs. 16 grs. 17 grs. 18 grs. 18 grs. 16 grs. 16 grs. 18	

#### WEIGHTS AND MEASURES OF THE BRITISH PHARMACOPŒIA.

#### WRIGHTS

l grain gr.

1 ounce oz. = 437.5 grains, 1 pound lb. = 16 ounces = 7000 grains

#### MEASURES OF CAPACITY.

1 minim min.

1 fluid drachm fl.drm. = 60 minims.

I fluid ounce fl.oz. = 8 fluid drachms.

1 pint O. = 20 fluid ounces.
1 gailon C. = 8 pints.

#### MEASURES OF LENGTH.

1 line = 1 inch. 1 inch = warthy seconds pendulum.
12 , = 1 foot.

36 . = 8 . = 1 yard.

#### RELATION OF MEASURES TO WEIGHT.

1 minim in the measure of . 0.91 grs. of water,

, 1 ounce or . . 1 fluid drachm 1 fluid ounce

1 gallon ,, 10 pounds or 70,000.0 n. 1 gallon public production of distilled water, in air, at 82°=352.485 grains.

### WEIGHTS AND MEASURES OF THE METRICAL SYSTEM.

#### WRIGHTS.

1	milligramme centigramme decagramme gramme	=the thousandth =the hundredth =the tenth =weight of a cub of water at 1'	10 (	cen	tia	, netr	•	0.01 0.01 0.01	77.8 14 34
1	hectogramme	1000	2) )) ))		:	:		10.0 100.0 1000.0	# ;;

#### MEASURES OF CAPACITY.

1 millitre	***	1 cub.	. cent.	of the measure	of I	grm. of water.
1 centility		10	,,	,,	10	99
1 decilitre	*	100	,,	"	100	
1 litre	-	1000	**	**	1000	,, (1 kilo.)

#### MEASURES OF LENGTH.

					etre, or 0 001 metre.
			the hundredth		0.01
1	decimetre	=	the teuth part	,,	01
1	metre	E			a quarter of the
			maridian of	the earth	

## RELATION OF THE WEIGHTS OF THE BRITISH PHARMACOPEIA TO THE METRICAL WEIGHTS.

1 pound == 453 5925 grammes. ounce == 26 3495 ;; 1 grain == 0 0646 ...

#### RELATION OF MEASURES OF CAPACITY OF THE BRITISH PHARMACOPŒIA TO THE METRICAL MEASURES.

1	gallon pint fluid ounce	=	4.543487	litres.		
1	pint	=	0.567936	12	or 567.936	cubic centimetres.
1	fluid ounce	=	0.028396	,,	<b>1281396</b>	<b>n</b>
	fluid drachm			**	3.24 <del>0</del>	**
1	minim	-	0.000028	**	0.028	

## RELATION OF THE METRICAL WEIGHTS TO THE WEIGHTS OF THE BRITISH PHARMACOPŒIA.

1	milligramme	2023	0'015432	gre.
	centigramme	<b>CR</b>	0.15483	
1	decigramme	**	1.5433	**
1	gramme	22	15.432	
1	kilogramme = 2	lbs. 3 oz. 119'8 grs. or	15432-346	**

#### RELATION OF THE METRICAL MEASURES TO THE MEASURES OF THE BRITISH PHARMACOPEIA.

1 millimetre		0.03937		
1 centimetre	=	0.39371		
1 decimetre		8.93709		
2 metre	_ =	89 87079	,, or 1 yard 8	7 inches.
I cable cent	imetre ==	15.432	grain measures	
1 litre = 1	pint 15 oz	. 2 drs. :	grain measures 11 m., or 15432	246 grain
	2			

# SYMBOLS AND EQUIVALENT WEIGHTS OF THE ELEMENTARY BODIES MENTIONED IN THE BRITISH PHARMACOPŒIA.

Elementary Bodies	١.	Symbols and Equivalents.*				
		Ol	1 System	New	System.	
Aluminium		Al	= 13 75		= 27.5	
Antimony (Stibium)		8b	<b>= 122</b>	8b	=122	
Arsenic	: :	As	<b>39</b> 75	Ās	<b>= 75</b>	
Barium		Ba	= 635	Ba	=137	
Bismuth		Bi	= 210	Bï	<b>=210</b>	
Boron		B	<b>=</b> 11	B.	= 11	
Bromine		Br	<b>== 80</b>	Br	<b>= 80</b>	
Cadmium		Cđ	= 56	Ĉã	=112	
Caloium		Čв	<b>== 20</b>	Ča	= 40	
Canh an	: :	Ö	<b>≈</b> β	č	# ÎŽ	
Cerium		Če	≕ 46	Če	= 92	
011		Ci	<b>= 85.5</b>	čĭ	= 85.5	
Chamban		Cr	= 26.25	Ör	<b>52.5</b>	
Copper (Cuprum)	: :	Ču	= 81.76	Čū	= 63.5	
	: :	Āu	= 196.8	Au	=196.9	
		H	= 1	Ħ	= 1	
	: :	ī	<b>= 127</b>	T	=127	
		Fe	= 28	Fa	= 58	
Lead (Plumbum)	: :	Ρb	= 103.6	РĎ	<b>=207</b>	
Lithium	: :	Ĺ	<b>=</b> 7	Ī.	<b>=</b> 7	
Magnesium	: :	Йg	ns 12	Mg	= 24	
Manganese	•	Mn		Mn	- 55	
Mercury (Hydrargyrum)	•	Hg	= 100	Hg	=200	
Nitrogen		N	= 14	N	= 14	
Oxygen	: :	Ö	= 8	õ	<b>=</b> 18	
Phosphorus		P	= 31	ř	= 31	
Platinum	: :	Pt	= 98 K	Pt	<b># 197</b>	
Potassium (Kalium)		ĸ	m 39	ĸ	= 39	
Bilver (Argentum)	: :	Ag	= 108	Āg	=108	
Sodium (Natrium)		Na	= 23	Ña	= 23	
#mlakee		8	= 16	8	= 32	
Tin (Stannum)	: .	Sn	<b>= 69</b>	8n	<b>= 118</b>	
Olma .	: :	Zn	= 32·5	Ž'n	= 65	

<sup>\*</sup> In this work I have generally retained the symbols and equivalents of the old system.

#### HILL AND THE UNIT HITEMS THEPALATIONS THEIR COLUMN ACTION AND DOTS

#### ACIDUM BORACICUM

I pally rife, solphum calt nations 1 Ann photosic fride my wounds a lab as do not incurre true

#### UNGUENTUM ACIDI BORACICI

#### LOTIO ACIDI CARBOLICI

Conficient to 10 miles Kez lete I not the mital not me puto and th in at life

UNGUENTUM ACIDI CARBOLICI Ph ( 5 Compared of cultinacity later flows ax t Iction - And of the on I she littly constitu

#### EMPLASTRUM ACIDI CARBOLICI

Composed of shellie 75 carb he and 25 parts A tion - Checks purulent check we

#### ACIDUM CHROMICUM

Prepared by thing ston sulphur acid to

Let c = 1 be  $x \in 1$  be a small of a nemotic and  $x \in 1$  be a small of the second of  $x \in 1$  be an  $x \in 1$  be a small of 1 be  $x \in 1$  be a small of  $x \in 1$  be a small of

ACIDUM CHRYSOPHANICUM A professor partial transfer to the latest transfer to the latest transfer trans

At i. An fulting tyme of ny paten, important nd other than here's. The self-temporals of the self-temporals of the self-temporals.

#### UNGUENTUM ACIDI CHRYSOPHANICI

The prejoing a states the little of the form of the Constant of the Constant tendence the contract tendence the constant tendence the constant of the constant

#### ACIDUM HYDROBROMICUM

Consist of brande of ptraum tutur acil, in law dec

1 - Nation elative us ful in hysteria protinoted health's samual in

The I strebul frequining where not otherwise florid !

Pose I or an infult, xx to lx iii

#### ACIDUM FLUORICUM

This and is recommended in cases of bronchocele or

Pose—Let an adult a half-hischin of a half per cent solution of 30 per cent tend, gradually in creased to two diachins

#### ACIDUM PYROGALLICUM.

Occurs in white flaky crystals, which blacken by exposure to light.

tition.—Antisoptic; useful in psoriasis—Strongth of solution should average from 2 to 10 per cent.

#### ACIDUM SALICYLICUM.

Prepared by pouring carbonic acid into a mixture of carbolic acid and caustic soda, at a high temperature, and decomposing the salicylete of sola with an acid.

tetion.—Antisoptic—depressant, useful in theumatism when the pain is acute Dose.—For an adult, 15 to 30 cas,

#### SODÆ SALICYLAS.

This saft is more soluble than salicylic acid Act on — An above.

Dove—For an adult, 20 to 25 gr.
Other combinations of Salicylic Acid:—

Ferri Salicylas

Bismuthi Salicylas,

Quinios Salicylas.

#### UNGUENTUM ACIDI SALICYLICI.

Composed of salicylic soid 30 grs., benzoated lard 1 or

Action. -- As above. Useful in cozema, psoriasis, and offensive ulcers.

#### SUCCUS ACONITI.

Aconite herb juice 3, rectified spirit 1 Iction.—Anodyne and sedative. Dose.—For an adult, 15 to 20 m

#### CHLOROFORM ACCRICI.

Powdered root 20, chloroform to percolate 20.

Action.—Anodyne. Mixed with liminent of acculte
(1 to 7) and painted with camel's hair brush relieves
neuralgia.

#### TROUBURGE ACONTTI.

Contains 1st of functure of accounts

Dose.—A losenge every half-hour in tousillitis and
other febrile throat affections

ALCHEMILLA ARVERSTS Field Ladies' Mantle, or Parsley Piert.

#### DECOCTUM ALCHEMILLE ARVENSIS.

Flower heads 1 oz, water 20 oz, boil and strain.

Action — Astringent, tonic, duretic. Useful to eliminate small calculi from the kidney or bladder Dose — For an adult, a winoglassful three times a day.

#### REEMA ALOES BARBADENSIS

Bm badoes aloes 40 grs, carbonate of potash 15 grs., mucilage of starch 10 oz.

#### ABUMINIUM, Al.

A silver-white metal, sonorous, lighter than gians, having a sp. gr 2 580.

Prepared by adding in excess a solution of carbonate of potash to a solution of alum, and washing the precipitate. Used to fine turbid medicinal washing and other solutions.

#### AMMORIUM, NR.

A dark blue liquid with a metallic instre, readily decomposing into ammonia and hydrogen. Liguon and the admittant concentration, Strong solution of ammonia 7, acetic acid 20.
Action.—Refrigerant and disphoretic. Occupies and lith of the bulk of the officinal preparation.

Dose. - For an adult, 15 to 80m.

TROCKISCI AMMONII BROMIDI

Contains 2 grs. of bromide of ammonia.

Action.—Useful in pertusus.

Doss.—1 to 3 lozenges.

LIQUOR VOLATILIS CORRU CERVI, or Spirit of Hartshorn. A saturated solution of carbonate of ammonia dis-

tilled from hartshorn.

Composed of spirit of hartshorn 3, oil of almonds 4.

Action.—Rubefacient; useful in chest affections and in sprains.

TROUBISCE AMMONII CHLORIDI. Contains 2 or 3 grains. Action.—Useful in bronchitis.

Dose—2 to 4 lozenges.

ARABORA, GOA POWDER

A pair reflow powder found in clefts of the wood of a tree of the order Leguminose, growing at Bells, Bearil.

It contains about 80 per cent. of chrysarchin.

Action Antisoptio assetul in parasitic diseases of

Fide Chaysophania Acid

ARGENTUM PURIFICATUM. Refined Silver.

Prepared by adding an excess of ammonia to a solution of the metal in pitric soid.

Used only to prepare nitrate of silver.

#### ARNICA OPODELDOC.

White soap 4, rectified spirit 10, tincture of arnics 5, camphor 1.

Action.—Anodyne; useful in sprains and insect bites; sometimes induces errsipelas.

LIQUOR ARSENICI CHLORIDI.

Composed of 30 grains of arsenic dissolved by 90 minims of hydrochloric acid in 20 ounces of water.

Action. - Tonic: useful in chorea.

Dose .- For an adult milj, increasing to mx after food.

## LIQUOR AMMONIE ARSENITIS.

Is the same strength as the liquor arsenicalis; but carbonate of ammonia is substituted for carbonate of potash.

ATROPINE PAPER AND ATROPINE GELA-TINE in books and discs are employed by oculists to dilate the pupil of the eye.

## TISCTURA AURANTII RECENTIS.

The yellow and pink rind of bitter orange 6 ca., rectified spirit 20 cz.

Action.—An aromatic stimulant stomachic.

Dosc.—For an adult, 13 j to 15ij.

For a child a year old, mx.

BALSAMUM DIPTERCARFI. An olse-resistons substance obtained from the trunk of the diptercourpus brevis, and other species, growing in the East Indies, and called Wood-eit, or Gurjum Balsam.

Action.—In its properties it represents copaibs. It

has been used in eczema and leprosy

Dose.-For an adult, f3ij mixed with lime water.

BAPTISIN. Wild Indigo.

Action.—Purgative, emetic, a hepatic and intestinal stimulant.

Dose .- For an adult, gr. j-v.

## CHLOROFORM BELLADONNE.

Powdered root 20, chloroform sufficient to produce 20.

Action.—Anodyne, mixed with equal parts of camphor liniment or olive oil, useful in rheumatism; lumbago.

## LINIMENTUM BELLADONNÆ COMPOSITI.

Belladonna liniment 7, chloroform belladonna 1. Action.—As above

## SUPPOSITORIUM BELLADONNÆ.

Extract of belladonna 1 gr., stearine 13 grs.

BETULA ALBA. Common European Birch.

## OLEUM BETULE ALBE.

Gives the odour to Russia leather. Has been employed in chronic cosema.

BISHUTHI BITERS. Occurs in colourless transparent crystals. Soluble in glycerine. Used in skin diseases, 10 grs. to the oz. of glycerine.

## FERRIER'S SMUFF.

Bisnitrate of bismuth 6 drms., hydrochlorate of morphia 2 grs., acacia powder 2 drms.
Used in cold in the head and hay fever.

## UNGUENTUM BORACIS.

Borax 1, simple ointment 8. For chapped hands, chilblains, or cracked nipples.

## BYNE. Malt.

Extractum Byne. German extract of malt. Action.—Nutrient.

Dose.—For an adult, f3ii.

#### CAPPEINE.

A crystalline substance obtained from coffee, tea, guarana.

Action.—Tonic and slightly directic. Useful in headed he, and in urine loaded with lithates.

Dose .- For an adult, 4 to 2 grs.

#### CALCIUM. Ca.

A brilliant white combustible metal; the metallic

# CALCII SULPHIDUM.

Action.—Useful in all suppurative conditions of the system, as boils, acne, strumous glands.

Dosc.—For an adult, gr. 16 in pill.

CALENDULA. Common Marigold.
Of the florets 4 oz., proof spirit 1 pint.
Action.—Antispasmodic, sudorific, emmanagogue.
Dose.—For an adult, 131 to 131;.

#### ESSENTIA CAMPHORÆ.

Camphor 1, rectified spirit 18, tincture of myrrh 2.

Action.—Useful in diarrhosa.

Dose.—For an adult, my every quarter of an hour

until diarrhose ceases.

## CAMPHORA MONOBROMATA.

Occurs in colourless needles or prisms. Action.—Nervine sedative. Dose.—For an adult, 2 to 5 grs. in pill. Said to be an antidote to strychnine,

#### LINIMENTUM CAPSICI.

Capsicum 1, rectified spirit 3.

Action.—Counter-irritant. Used for swollen chilblains, the skin being unbroken.

## CARNIS EXTRACTUM.

German extract of meat; has an agreeable odour; freely soluble in water.

## VALENTINE'S MEAT JUICE.

One of the best preparations of carnis extractum.

## CATECHU NIGRUM.

The dried extract of the heart-wood of acacia catchu from Pegu.

Action.—Astringent, bitter.

Dose.—For an adult, 5 to 15 grs.

#### MISTURA CETACEL

Spermaceti 60 grs., proof spirit 15 m.
Action.—Useful in coughs, irritation of the mucous membranes, and in the sickness of pregnancy.

Dose.—1½ os.

# CHAULEOOGRA OIL. Vide Gynocardia.

#### CHLORAL HYDRAS

Prepared by the action of dry chlorine gas on anhydrous alcohol. It occurs in colourless crystals, which do not deliquesce on exposure to air, of a pungent odour and bitter taste.

An antidote of strychnia, physostigma, picrotoxine.

Antidotes.—Picrotine <sub>2</sub> gr., stomach-pump, emetics, cold affusion.

Action — Hypnotic, antispasmodic, antiseptic, anæsthetic in large doses

Dose — For an adult, 5 to 30 grs.
For a child a year old, 1 to 1 gr.

#### CROTON-CHLORAL HYDRATE.

Action.—Anodyne, antispasmodic, relieves neuralgia of the face and head, the dyspace of asthma, and irritative cough of phthisis.

1000.—For an adult, of the salt 1 to 2 grs., of the syrup [3] to [3]:v

## AQUA CHLOROFORMI.

Chloroform 1 drachm, distilled water 25 oz. Action.—Stimulant, antispasmodic, sedative. Lose,—For an adult, ½ to 2 oz.

## BICHLORIDE OF METHYLENE.

Introduced by Dr. Richardson, and considered to be one of the safest anesthetics known. Applied by means of Dr. Junker's inhaler.

## SYRUPUS CODELE.

Codeia 6 grs., water \( \frac{1}{2} \) oz., symp 8 oz. Action.—Sedative: useful in cough. Dose.—For an adult, foi to foij.

## CURABA-WOOBARA.

The South American Arrow poison; the product of various plants, strychnos, &c.

Action.—Produces muscular relaxation; in large doses general muscular paralysis; has been used in

or an adult, subcutaneous injection of a solution of 1 grain in 2 drachms of distilled water. It must not be allowed to come in contact with any wounded surface.

# UNGUENTUM DELPHINI STAPHISAGRIÆ. Useful in pediculi.

## SUCCUS DIGITALIS.

The expressed juice 3, rectified spirit, 1. Does not cause nausea like the tineture.

v to mx.

## DUBOISIA MYOPOROIDES.

A plant indigenous to New South Wales. Action.—Same as atropin.

## DUGONG .....

This oil was proposed as a substitute for cod-liver oil. It being much more expensive, its use is

GLOBULUS. Blue Gum Trec. The leaves yield an aromatic oil.

adult, of the oil mx, of the tincture

٦

#### EUONYMIN.

A resinced substance obtained from the Wahoo bark. Action .- Powerful hepatic stimulant. Dose. For an adult, of the resin 4 to 2 grs., of the tincture f3i to f3ii.

#### FERRI BROMIDI SOLUTIO.

Each fluid drachm contains 41 grs. of bromide. Action .- As the syrup. Dose. - For an adult fass to fai.

## LIQUOR FERRI PERSULPHATIS.

Sulphate of iron 8, sulphuric acid 2, nitric acid 3, distilled water, 12. Action .- Styptic.

## FUCUS VESICULOSUS.

Bladder-wrack, collected from the senside rocks and dried.

## EXTRACTUM FUCI VESICULOSI.

Of the dried plant ground 16, rectified spirit 12, distilled water 6. Action .- Doobstruent, resolvent.

Dose. - For an adult, f3i.

# UNGUENTUM ACIDI TANBICI. Ph. U.S.

Tannic acid 1. lard 16. Action .- Astringent.

#### SCHUSTER'S PASTILLES.

Composed of tannic acid 30 grs., opium 1 gr., glycerine c.s. to form suitable cylinders for the male Brethra.

Action.-Astringent: used in gonorrhoss.

## TINCTURA GELSEMII.

Hruised root 2, proof spirit 20.

Action .- As Gelsemin.

Dose .- For an adult, mx - mxx.

Antidote.—Galvanism. Aromatic sprit of ammonia.

PULVIS LIQUIRITIE COMPOSITUS. Ph. Ger. Senna and liquorice of each 2, fennel and sulphur of each 1, white sugar 6.

Action.—A mild aperient.

Pose. -For an adult, a teaspoonful before break-

GOA POWDER. Vide Araroba.

## GOSSYPII RADICIS TINCTURA.

Dried bark of the root of the Cotton plant 3j, proof spirit 4.

Action.—Emmenagorue and parturient.

Action.—Emmenagogue and parturient. Dosc.—For an adult, 13j.

## GRINDELIA ROBUSTA.

The leaves and flowering tops.

Action.—Antispasmodic, emollient, stimulant.

Dosc.—For an adult—

Of the fluid extract, mx to mxx.

Of the syrup, f3j to f3ij. Of the emulsion, f3j to f3iv.

# GYNOCARDIE OLEUM Chaulmoogra Oil.

Prepared from the seeds of the Gynocardia odorata, Eastern India. A solid, and of a light brown colour.

Action.—Useful in skin diseases, as leprosy, in chronic rheumatism, gout, secondary syphilis.

Dose.—For an adult, mij to mxv, being gradually inoreased.

## GYNOCARDIA ACIDUM.

Action. - As above.

Dose.—For an adult, 4 to 2 grs. in pill.

HAMAMELIS VIRGINICA. Witch Hazel.

## Tinctura hamamelis virginic*i*e.

1 Bruised bark 2, proof spirit 20.
Action.—Astringent, useful in passive homorrhages and in dysentery and diarrhosa.
Dose.—For an adult, my to max in water.

## HYDRARGYRI BROMIDIUM.

Used in pessaries containing gr. 1 each.

# UNGUENTUM HYDRARGYRI IODIDI VIRIDIS. Green iodide of moreury 10 grs., sulphate of atro-

pine 1 gr., lard  $\frac{1}{2}$  oz. Useful in contraction of the fingers from indurated fascia of the palm.

HYDRARGYRI OLEAS. Oleate of Mercury. Yellow oxide of mercury dissolved in oleic acid. Action.—Alterative; resolvent; useful in rhoumatic swellings about joints, ringworm, &c. For external use.

# OLEATE OF MERCURY AND MORPHIA.

Morphia 1 gr., oleate of mercury 1 drm. Action.—As above, and anodyne.

HYDRASTIS CANADENSIS. Yellow Root, Prepared from the rhizomes and rootlets of the American Golden Seal.

Action.—Bitter tonic, antiperiodic, sialogogue.

Doss.—For an adult.—

Of the liquid extract, mx to mxxx. Of the tinoture, f3ss to f3j.

## HYDRASTIN.

A resincid substance obtained from the Hydrastis Canadensis.

Action.—As above, and a powerful hepatic stimulant.

Dose.-For an adult, gr. iij to vj.

#### HYOSCYAMINE.

Au alkaloid from the seeds of Hyoscyamus niger. Action.—More powerful than the other preparations of henbane; very efficacious in the attacks of acute mania, insempia.

Dose .- For an adult-

gr. 20 to 1 gr.

gr. 100 to 1 for hypodermic use.

#### EXTRACTUM IGNATIA AMARA.

Prepared by percolating with spirit, Ignatia beans in fine powder, and evaporating.

\*\*Action.\*\*—Tonic; useful in debility of the digestive organs.

Dose .- For an adult, gr. 1 to 1 in pill.

#### JABORANDI.

Prepared from the leaves of the Pilocarpus pinnatifolius.

It contains an alkaloid pilocarpin.

Action.—Powerful sialogogue and disphoretic.

Dose.—For an adult, of the infusion first to fij.

of the powder, gr. xv to xxx. of the tincture i3ij to i3iij.

#### PILOCARPIW HYDROCHLORATUS.

For internal administration, in combination with pepsine and hydrochloric acid.

Action.—As above. Has been found useful in scarlatina, nephritis, diphtheria, uramia.

1008.—For an adult, gr.  $\frac{1}{6}$ ; subcutaneously gr.  $\frac{1}{16}$  to gr.  $\frac{1}{6}$ .

#### IRIDIN.

A preparation from the American Eclectic Blue Flag.
Action.—Alterative, diuretic, hepatic, and intestinal stimulant.
Dose.—For an adult, gr. 4 to gr. 4.

## TINCTURA KAMALÆ.

Kamala 1, proof spirit 5.

Action.—Authelminite.

Dose.—For an adult, f3j to i3ij.

For a child a year old, my to mx.

## MAIZE.

The stigmata of maize are recommended as a remedy in recent or chronic vestcal affections.

Action.—Diurctic.

Dosc.—For an adult, of the concentrated infusion f3i, of the syrup f3ss every 2 hours.

#### PARAMORPHIA.

Occurs in white crystalline needles.

Action.—In doses of 1 gr. it produces tetanic spasms.

## APOMORPHIA.

Action.—A prompt emetic, sometimes injected in chorea.

Doss.—Gr. & injected subcutaneously.

## MORPHIE TARTRAS.

This salt being the most stable of the morphia series, is preferred for hypodermic injection.

#### MISTURA MOSCHI.

Musk 3, acacia 3, sugar 3, rose-water 160, added gradually.

1.c.ion.—Nervine stimulant
Dose.—For an adult (5) to (5);

## MUSCARIN.

The active principle of poisonous fungi Action.—Powerful sialogogue. Dose.—For an adult gr. & to & injected subcutaneously.

## TINCTURA MYRRHÆ ET BORACIS.

Myrrh 1, eau de Cologne 16, boiex 1, water 3, syrup 3.

A wash for the toeth and gums.

## NICKEL.

Sulphate of nickel occurs in greenish blue crystals.

Action.—Nervius tonic, given in chlorosis.

Dose.—For an adult gr. 1 to 1 after food.

## NITRO-GLYCERINE. Glonoin.

A powerful poison. A solution in spirit (1 in 100). Action.—Useful in angina pectoris and albuminuria. Desc.—For an adult a j of the solution cautiously increased.

WEPERTHE, A preparation of opinus by Ferris of Bristel.

Action.—Possesses all the properties of the thacture of opium, but does not cause headache, and is less exhibitating.

Dose .- For an adult my to maxx.

**PARIETARIA** Pellitory of the Wall.

A ction — Most cfinacious in dropsy.

Dose.—For an adult, a tablespoonful of the preserved juice, or grs. 10 of the extract.

ESERINE. The alkaloid of Physostigma venencesum, or Calabar bean.

Action — Norvine sedative, myotic, usoful in chorea, strumous ophthalmia, inflammation of the cornea.

Dasc — For an adult 30 gr injected subcutaneously in chorea A few drops of a 2 grain solution in 1 oz. of water causes contraction of the pupil.

PHYTOLACCIN. Poke Root.

Action.—A scorbutic alterative, purgative, and slow emet'o.

Useful in chronic rheumatism.

Dose.—For an adult, ‡ gr. to 1 gr.

PINI SYLVESTRIS OLEUM. Fir Wood Oil. Propared from the leaves of Pinus sylvestris. Action.—Stimulant and subefacient. Useful externally in rheumatism, and as an inhalation in chronic laryngitis.

PILULA PICIS.

Tar and liquorice powder of each 24 grs.

Dose.—2 or 3 pills daily.

## POTASSE BENZOAS.

Action.—Useful in cysticis with lithic acid

Dose,-For an adult, 15 to 20 gis

## POTASSII FERROCYANIDUM.

Action.—Nervine tonic. Usoful in dyspepsia, constipation, sick headache, and atony of the muscular system.

Dosc .- For an adult, 2 grs.

QUEERACHO BARK. The bark of Aspidosperma Quobracho, highly recommended as relieving the various forms of dyspaces. Dose.—For an adult, of the liquid extract fai

QUINIM ARSENIAS.

Action.—A nervine tonic.

Dose.—For an adult, gr. 10.

# QUINLE CARBOLAS.

Useful in diarrhoea.

Dosc.—For an adult, 2 grs.

# QUINIZ SALICYLAS.

Efficacious in the acute stage of rheumatism.

Dose —For an adult, 1 to 2 grs. increased gradually.

TINGTURA PYREIIALIS (Warburg's Tincture.) Contains quining. Invaluable in malarial and athenic fevers.

Dose.—For an adult, [3].

RHAMNUS FRANGULA. The bark of Rhamnus

frangula.

Action.—Useful remedy in habitual constipation.

Dosc.—For an adult, of the liquid extract max—

xxxx. of the syrup, f3ij—f3iv.

BALICINUM SALICIN. A white crystalline powder from the bark of the willow.

Action.—Ritter tonic, preferable to salicylic acid in some cases as not being a cardiac depressant.

Dosc.—For an adult, 5 to 25 grs.

SANTALI FLAVI OLEUM. The essential oil of red sandal-wood.

Action.—Stimulant to the genito-urinary passages.

Dose.—For an adult, f3ss in emulsion.

## SODE BENZOAS.

Recommended in all contagious diseases by vegetable parasites, in diphtheria, chronic rheumstism. It does not nauseate, depress, or cause any cerebral symptoms.

Action.—Prophylactic and hepatic stimulant.

Dose.—For an adult, 15 to 20 grs. every 2 or 3 hours

## SODE SALICYLATUM.

Action.—Relieves the pain in acute rheumatism, a hepatic stimulant, its continued use causes cardiac depression.

Dosc.—For an adult, 10 to 20 grs. and upwards.

## SODEL BROMIDUM.

Action.—Has been recommended in sea sickness.

Dogs.—For an dult, 2 to 6 are

#### TINCTURA SUCCINI OLEI.

Amber in powder 1, rectified spirit 16.

Antion.—Useful in nervous headaches, pertussis.

Dose.—For an adult, mxx upwards.

For a child a year old, mij.

SYMPHYTI RADIX. Common Comfrey Root.

Action.—Astringent, mucilaginous, glutinous.

Useful to form splints.

#### CHIAN TURPENTINE.

Recommended in cases of cancer of the female, generative organs.

#### THYMOL.

Colourless, transparent crystals, with an aromatic odour, obtained from oil of thyme.

Action.—Antiseptic, disinfertant.
Used externally, in lotion, as a wash, in vapour, and in surgical dressings.

SYRUPUS TRIFOLII. TRIFOLIUM. Clover.

Action.—Useful in portussis.

Dose.—For an adult, f2j.

For a child a year old, mx upwards

## VARELINE.

The residuum, after distillation, of petroleum or rock oil.

A medium for ointments. Useful in oczema.

# ZINCI BROMIDUM.

Action.—A tonic.

Dose.—For an adult, 2 grs.

# CALAMINE.

Impure carbonate of zinc. Used for lotions.

## ZINCI OLEAS.

Oxide of zinc 1 oz., oleic acid 8 oz.

Action.—Useful in acute and chronic eczema and discharging ulcers.

## ALPHABETICAL LIST OF THE SPAS OF EUROPE.

Æsculap, in Hungary. A bitter aperient, like Hunyadi Janes. Is imported in bottles.

Alexisbad, in the romantic valley of the Salke, Germany. Water saline and chalybeate. Useful in debility.

Belithall, near Coblentz, Prussia. About 400 feet high. Water alkaline, gaseous. Useful in digestive derangements. Is imported in bottles.

Bilin, in Bohemia. Altitude, 645 feet. Alkaline, slightly aperient. Useful in indigestion and acidity of the stomach. Is imported in bottles.

Birresborn, in Rhenish Prussia. About 1100 feet high. Water alkaline and gaseous. Useful in debility. Is imported in bottles.

Bourboule, at Puy-de-Dôme, France. Altitude 2600 feet. Contains arsenie, hydrochloric acid, magnesia, lithiu, &c. Useful in ansemia, gout, rheumatism, skin disgasses.

Buda-Pesth, in Hungary. From honce are imported the Hunyadi Jonos and Royal Hungarian. Bitter, aperient waters, containing large proportions of the sulphates and carbonates of magnesia, soda, potash, and lime, and the oxide of iron and aluminia.

Gerolstein, in Rhenish Prussia. About 1200 feet high. Water alkaline and gascous. Useful in atony of the general system. Is imported in bottles.

Hunyadi Janos. See Buda-Posth.

Roisdorf, in Rhenish Prussia. Altitude, 1000 feet. Water alkaline. Imported in bottles.

Rosbach, in Germany. Water saline and alkaline. Is imported in bottles.

Royat, in Puy-de-Dôme, France. About 1 380 feet high. Water alkaline. Charming climate and scenery. Useful in dyspepsia, rheumatism, and catarrhal affections of the genite-urinary passages. Is imported in bottles.

Soden, in Nassan. About 440 feet high. Salubrious climate, equable temperature. Waters alkaline and gaseous. Useful in chest affections, scrofula, and diseases of the female generative system. Is imported in bottles.

Taunus, in Frankfort. Altitude 390 feet. Water alkaline, gaseous. Very pleasant table water. Useful in debility. Is imposted in bottles.